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ABSTRACT

One of three related documents, this booklet for students contains the basic lists and course descriptions of the high school curriculum offerings. The introductory section includes information about the counseling services, graduation requirements, credits, promotion policy, curriculum areas, independent study, program opportunities for gifted/high potential students, and other school policies. The remaining sections of the booklet contain sample registration forms, a course catalog, and the course descriptions. (EL)

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Parkland High School

Program of Studies
1985 - 1986

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Parkland School District
Orefield, Pa. 18069

CS209168

PARKLAND HIGH SCHOOL

Program of Studies

1985 - 1986

Parkland School District
Orefield, PA 18069

SPECIAL NOTICE TO STUDENTS AND PARENTS

At the time of the printing of this booklet considerations were being given to new curriculum regulations, a new time schedule of periods for the high school, groupings for sophomore classes, and adjustment to the sophomore vocational-technical program. Since final decisions had not been made concerning these items, no change could be projected in this booklet. As final decisions are made, you will be informed by your guidance counselor as to any change the decision may have on your program of studies.

DISTRICT PERSONNEL

DISTRICT ADMINISTRATIVE STAFF

Mr. Carmen J. Riola, Superintendent
Mr. Lee A. Kreidler, Assistant Superintendent

CURRICULUM SERVICES

Mr. Edward R. Erdman, Director of Curriculum, 7-12
Mr. Edward M. Davis, Assistant Director of Curriculum, 7-12

HIGH SCHOOL ADMINISTRATION

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Mr. Donald J. Fleming, Assistant Principal
Mr. John P. Gross, Assistant Principal
Mr. Dale E. Zimmerman, Assistant Principal

HIGH SCHOOL GUIDANCE COUNSELORS

Mr. Ernest V. Ibarra - Vo-Tech Students
Mr. Paul J. Jenkins - C.P., B.E., General Students
Mr. Ralph F. Kidd - C.P., B.E., General Students
Mrs. Karen E. Labdik - C.P., B.E., General Students

JUNIOR HIGH SCHOOL ADMINISTRATION

Springhouse	Troxell
Mr. Donald B. Steffy, Principal	Mr. Frank E. Reed, Principal
Mr. Edward K. Whitby, Assistant Principal	Mr. George J. Karetsky, Assistant Principal

JUNIOR HIGH SCHOOL GUIDANCE COUNSELORS

Springhouse	Troxell
Mr. William C. Collins	Mrs. Anne L. Davis
Mr. James A. Mokry	Mr. Lee F. Higgins

Parkland High School
Program of Studies

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INTRODUCTION

This booklet contains the basic lists and course descriptions of the comprehensive curriculum offerings of Parkland High School. We hope that it will be helpful to you in selecting your program of studies. High school students face many choices and difficult decisions. Planning a different program of studies for each student is a demanding task. Parents, teachers, and counselors are available to assist you in providing information which will be helpful.

WHERE ARE YOU GOING? THIS IS YOUR LIFE! PLAN IT CAREFULLY!

You are a very special person. To yourself, your parents, your teachers, and your friends, you are important, and the world you are discovering can be exciting and challenging. New careers are emerging, and educational opportunities are increasing every day.

Where do you go from here? If you plan wisely, building upon your interest and strengths, you will select a program of studies which can lead to the career of your choice.

As a unique person, your aspirations and program can differ from those of others. To be sure that you are heading in the right direction, analyze your goals. Consider where you are headed. Take advantage of self-appraisal, for you gain or lose by the choices you make.

Before continuing through this booklet, consider these questions:

1. How will my high school record and references qualify me for the careers I may choose?
2. How will my credentials compare with those of other applicants in this competitive society?
3. How have I involved my parents in planning for my success in school and beyond?
4. How can I obtain appropriate occupational and post-high school information and plan most effectively?
5. How shall I involve peers, teachers, counselors, administrators, and others in clarifying my goals and planning for success?

COUNSELING SERVICES

Counseling services are intended to help you. They assist in those areas of school life which are not attended to by classes or extracurricular activities. You are urged to consult with a counselor when appropriate to discuss problems of individual career plans, occupational opportunities, and current school work.

More specifically, the purpose of counseling services is to assist you in finding solutions to individual problems; adjusting to surroundings; making a vocational choice; securing information about various school subjects and activities; planning post-high school education and opportunities and planning courses and electives to meet entrance requirements; applying for admission to colleges, nursing schools, junior colleges, technical schools, and preparatory schools, and securing information about these schools and their requirements.

Your parents may arrange for a conference by calling the guidance office of the respective schools. You may arrange appointments by visiting the guidance office and speaking with the secretary.

Parkland High School - 395-2021
Springhouse Junior High School - 398-0303
Troxell Junior High School - 437-4631

GRADUATION REQUIREMENTS

A student must acquire sixteen (16) credits in grades ten through twelve to meet Parkland High School requirements for graduation.

An explanation of required credits is as follows:

English - 3 credits
Social Studies - 3 credits
Mathematics - 1 credit
Science (lab) - 1 credit
Health and
Physical Education - 1 credit
Electives - 7 credits

NOTE: New curriculum regulations proposed by the State Board of Education of Pennsylvania will change future graduation requirements. When these new requirements are adopted, you will be informed of any necessary adjustments to your program.

CREDITS

A unit of credit is given to any subject which meets a minimum of four periods per week per year and is successfully completed by the student.

One half credit is given to any subject which meets four periods per week for one half year or to any subject which meets two periods per week for the entire school year.

PROMOTION POLICY

The accumulation of credits will determine the promotion of a student from one grade to another. If a student has accumulated 4 credits, the student will be considered to be in the eleventh grade. If a student has accumulated 9 credits, the student will be considered to be in the twelfth grade.

PLEASE NOTE: The accumulation of a sufficient number of credits does not guarantee graduation - some credits must be earned in the required subjects listed in the Graduation Requirement section. If at anytime a required course is failed it is recommended that the course be made up during summer school. Making up required courses during summer school will allow for a somewhat orderly pattern in the pursuit of the high school diploma.

CURRICULUM AREAS

Parkland High School offers four major curriculum areas: Business Education, College Preparatory, and Vocational-Technical.

Planning curriculum should involve careful consideration by students and their parents, and should be made on the basis of a student's interest, abilities and vocational goals. It is advisable to work closely with the counselors in the selection of a curriculum.

College preparatory students should be aware that colleges prefer students who elect challenging subject matter. Criteria are listed as prerequisites for entrance to the most challenging courses. All students must meet established criteria for gifted/high potential, honors and advanced placement course offerings. When students do meet the criteria, and their interests and abilities relate to the curriculum area, they should understand that they have been selected because it is the district's belief they are capable of performing at acceptable achievement levels and the students should accept the challenge that these courses present.

It is recommended that a student planning to take the second year of a continuing type subject earn at least a minimum mark of a "C" in the initial subject. A subject of the continuing type, if failed, must be repeated before one is eligible to earn and receive credit in advanced work.

Based on past experience, students who have not experienced success in junior high school may encounter difficulty in certain courses of the college preparatory or business curriculum. In some instances, due to a student's past performance, the school may not recommend that a student pursue a course or program that he/she requested. If this is the case, the problem will be discussed with the parents and the student for possible reconsideration of their decision. If the parent and student decide to pursue the course or program without the recommendation of the school, the parent will be requested to sign a "Parental Request Form" which will be retained in the student's folder.

INDEPENDENT STUDY

Independent study programs have been developed to offer sincerely interested students an opportunity to acquire credits for graduation via independent study contracts. Independent studies are intended as rigorous learning activities for students with strong desire for probing deeply into a special area. In certain cases, students may also request to take a course in the regular program via independent study when that course cannot be included into their regular schedule.

The impetus for independent study must arise from the student. With the assistance of a perspective supervising teacher, the student should draft a preliminary proposal outlining the desired subject, its intended scope, and the objective goals being sought. If the teacher approves the proposal, that teacher will guide the student in selecting appropriate materials and in defining methods by which the student may reach learning objectives.

All independent study programs will operate under the supervision of a staff member with prior written approval of the principal and counselor. Requests for independent study should be submitted to your guidance counselor at the same time as registration for the coming year's program. A student may not pursue and receive credit for independent study without having developed and completed a contract form. Credit and a mark will be given upon satisfactory completion of the terms of the contract. Independent study marks may appear on a student's report card, depending upon the student/teacher contract and will be added to the student's permanent record at the end of the school term.

PROGRAM OPPORTUNITIES FOR GIFTED/HIGH POTENTIAL STUDENTS

Overview

Parkland School District recognizes its obligation to provide programs for its gifted/high potential students because we believe that these students have special needs.

If a student qualifies as gifted/high potential, we will ask the student to choose whether he/she wishes to participate in a series of special classes that the district provides at the junior high schools and the senior high school.

Gifted/high potential students often prefer classes where the presentation of materials can be accelerated, the course content can be enriched, and the teaching methods may be different from those in the regular classroom. These students often find that these classes stimulate them to think more creatively, to study in depth, and to solve more complex problems than they might in a basic program.

Although the student may choose to remain in the regular curriculum, it is strongly recommended that considerations be given to one or more of the special programs that are available. Participation will usually demand more time and work than regular classes. However, these classes have been planned to provide the student with a challenge and with advanced academic background.

Characteristics of the Gifted/High Potential Program

Gifted students will be invited to participate in the program. High potential students who meet the criteria may be invited. In order to meet the needs of gifted/high potential students, programs have been established at the junior high schools and the senior high school for special groups in the areas of English, social studies, math, and science. While the basic content of the regular program will be presented at each grade level, these groups are offered the following additional opportunities.

Activities and methods are used that are intended to develop higher level thinking skills. This is brought about by the use of more advanced supplemental teaching materials and more advanced research methods.

Individualized Educational Programs (IEP's) will reflect the goals and objectives of each course. IEP's will be individualized for each student in the class only when unusual circumstances are determined. Class size will also be limited only when the distinct and different components require it. Teachers are informed on an annual basis of the criteria used for program placement. Weighted grades will not be used in the evaluation of student progress in these courses.

Finally, the students in these programs have the advantage of working with students of similar ability. Teachers encourage students to assess their capabilities and expand their interests which will be of value when making decisions about the future of their educational career. The options among planned programs become more numerous as the students progress from the junior high school through the senior high school where gifted/high potential students have full access to a wide variety of elective courses.

Parental consent is required before a student is registered for any program.

Program Differences

Certain differences do exist between the programs at the junior high schools and the senior high school.

At the junior high schools, participation in the full program (English, social studies, math and science) is expected by eligible gifted and high potential students. Partial participation may be permitted for exceptional cases. At the high school, participation in the full program or parts of the program is optional due to the variety of course offerings.

Also, at the junior high schools, teachers may vary the methods and content from year-to-year depending on the level of maturity and the range of abilities of their students. Teachers at the high school, however, will use methods and provide content different from the regular program because students are more mature and more ready to study specialized material.

The Community Learning Experience Program is offered at the high school. It is designed to provide enrichment activities outside the school setting which are based on individual student interest.

Characteristics of the Honors and Advanced Placement Programs at the Senior High School

Gifted and high potential students may also be invited to participate in Honors and Advanced Placement (AP) courses at the high school if they meet the entry criteria. These programs are conducted in the areas of English, mathematics, science and social studies. These programs are unique because they include many of the opportunities of the previously stated programs and also have the following additional characteristics.

Honors and AP programs have different content that is more complex and demanding. The student objectives, activities and resources used are also different.

Individualized Educational Programs (IEP's) for identified gifted students reflect the goals and objectives of each course.

Due to the demands of these courses, weighted grades are used to acknowledge student achievement.

Finally, the AP programs follow the College Examination Board standards. The content of these courses is predetermined and students are encouraged to take the AP test which most colleges recognize and use to determine placement in their programs.

We encourage you to consider these programs as you plan your schedules. Should you have any questions, contact your school for more information.

STUDENT SCHEDULE CHANGE POLICY

ERRORS, CONFLICTS, OMISSIONS, AND ADDITIONS WILL BE HANDLED AS SOON AS POSSIBLE. ALL OTHER SCHEDULE CHANGES WILL BE HANDLED IN THE FOLLOWING MANNER.

1. Schedule changes will be considered for valid educational reasons only.
2. Schedule changes may be effected but only if the following conditions are satisfied.
   a. Teacher recommendation.
   b. Counselor recommendation.
   c. Parent conference is held to discuss ramifications of proposed schedule change.
   d. Student can be placed in appropriate substitute class.
3. Any schedule change in a full-year course after the first rating period will result in the student receiving a grade of (WF) Withdrew While Failing - even if the student's average is at the passing level. Any schedule change in a semester course after the fifth week will also result in a grade of (WF), even if the student's average is at the passing level. The only exceptions to these will be:
   a. In the case of an extended illness by the student.
   b. In the case where the administration, counselor, and teacher recommend that a student be placed in a lower level class. In this case, the student's achievement in the new class will be averaged with his/her achievement in the former class.

ACADEMIC YEAR

The Parkland High School year is divided into four rating periods. Report cards are issued at the end of each nine-week period.

A progress report indicating unsatisfactory work is sent home with the student for parental signature during the rating period. It is expected that the report will be signed and returned.

NONDISCRIMINATION POLICY

In accordance with state and federal law, the Parkland School District does not discriminate, either in the educational programs and activities which it operates or in the employment of personnel, because of a handicap or on the basis of race, sex, color, age or religion.

The Parkland School District, in conjunction with the Lehigh County Vocational-Technical School, offers a variety of vocational programs. Admission to these programs is available to all students. Criteria for admission are limited to academic aptitude and achievement and space available.

For information about your rights or grievance procedures, contact the Title IX/Section 504 coordinator, Lee A. Kreidler, at Parkland High School (395-3270).

NONBINDING NOTE

The school reserves the right to cancel or postpone courses for which insufficient enrollment, lack of physical facilities, or unavailability of teaching personnel necessitates such action.

CURRICULUM AREAS

BUSINESS EDUCATION CURRICULUM

Tenth Grade

Required courses:	Periods per week	Semesters	Credit
Physical Education	2	2	.25
Driver Education	1	2	.25
English II	4	2	1.0
U.S. History	4	2	1.0
Biology (Lab)	5	2	1.0
Office Typing I	4	2	1.0
Business Mathematics	4	2	1.0

See Course Descriptions for additional electives.

Eleventh Grade

Required courses:			
Health	2	2	.25
Physical Education	2	2	.25
English III - B.E.	4	2	1.0
World Cultures	4	2	1.0
Office Typing II	4	2	1.0
Accounting I	4	2	1.0
Business Computers & Data Processing	4	1	.5
Select one from the following:			
Secretarial Program - Shorthand I)			
Accounting & Clerical Program -)	4	2	1.0
Business Law & Sales)			

See Course Descriptions for additional electives.

Twelfth Grade

Required courses:			
Physical Education	2	2	.25
English IV - B.E.	4	2	1.0
Sociology	4	1	.5
Government	4	1	.5
Office Information Processing	4	2	1.0
Select one from the following:			
Secretarial Program - Secretarial Office Procedure	10	2	2.0
Accounting Program - Accounting II	4	2	1.0
Clerical Program - Clerical Office Procedures	4	2	1.0
Select at least one additional elective from the following:			
Secretarial and Clerical Programs:			
Accounting II)			
School Office Experience)	4	2	1.0
School Store)			
Accounting Program:			
Clerical Office Procedures)			
School Office Experience)	4	2	1.0
School Store)			
Full year or two half year electives	4	2	1.0

See Course Descriptions for additional electives.

NOTE: In order to complete the entire program, a student should select vocational business education upon entering the tenth grade. A specific vocational business program should be selected upon entering eleventh grade.

COLLEGE PREPARATORY CURRICULUM

Tenth Grade

	Periods per week	Semesters	Credit
Required courses:			
Physical Education	2	2	.25
Driver Education	1	2	.25
English II - C.P.	4	2	1.0
U.S. History	4	2	1.0
Mathematics - appropriate course	4	2	1.0
Biology (Lab)	6	2	1.0
Strongly recommended course:			
Foreign Language - appropriate level	4	2	1.0

See Course Descriptions for additional electives.

Eleventh Grade

Required courses:			
Health	2	2	.25
Physical Education	2	2	.25
English III - C.P.	4	2	1.0
Mathematics - appropriate course	4	2	1.0
Science (Lab) - appropriate course	6	2	1.0
Modern European History	4	1	.5
Select one from the following:			
Far East)			
Middle East)	4	1	.5
U.S.S.R. - Europe)			
Recommended course:			
Foreign Language - appropriate course	4	2	1.0

See Course Descriptions for additional electives.

Twelfth Grade

Required courses:			
Physical Education	2	2	.25
English IV - C.P.	4	2	1.0
Economics	4	1	.5
American Government	4	1	.5
Recommended courses:			
Mathematics - appropriate course	4	2	1.0
Science (Lab) - appropriate course	6	2	1.0
Foreign Language - appropriate course	4	2	1.0
Full year or two half year electives	4	2	1.0

See Course Descriptions for additional electives.

Tenth Grade

Required courses:	Periods per wk.	Semesters	Credit
Physical Education	2	2	.25
Driver Education	1	2	.25
English II	4	2	1.0
U.S. History	4	2	1.0
General Mathematics II	4	2	1.0
Lehigh County Vocational-Technical School	15	2	3.0

Time allotment does not permit Vocational students to select any electives.

Eleventh Grade

Required courses:			
Physical Education	2	2	.25
English III - General	4	2	1.0
World Cultures	4	2	1.0
Biology	4	2	1.0
Lehigh County Vocational-Technical School	15	2	3.0

Time allotment does not permit Vocational students to select any electives.

Twelfth Grade

Required courses:			
Health	2	2	.25
Physical Education	2	2	.25
English IV - General	4	2	1.0
Sociology	4	1	.5
American Government	4	1	.5
Lehigh County Vocational-Technical School	15	2	3.0

Time allotment does not permit Vocational students to select any electives.

TENTH GRADE — 1985-86 PARKLAND HIGH SCHOOL REGISTRATION FORM

PLEASE PRINT — CIRCLE ONE: SPRINGHOUSE TROXELL

Student's Name: _____ Sex (M F)
(Last) (First) (Middle)

Total Time Available: 35 class periods/week Phone Number: _____

MINIMUM REQUIREMENTS:

BUSINESS EDUCATION	24 class periods/week
COLLEGE PREPARATORY	25 class periods/week
GENERAL	24 class periods/week
VOCATIONAL-TECHNICAL	15 class periods/week

PLEASE CIRCLE YOUR CHOICE OF CURRICULUM AND CODE NUMBER OF SUBJECT CHOICES.

BUSINESS EDUCATION

Code No.	Required	Pds.
001	Physical Education	2
005	Driver Education	1
104	English II	4
204	U.S. History	4
404	Biology	5
601	Office Typing I	4
602	Business Mathematics	4

NOTE: B.E. students may select college preparatory courses as part of their program. See course catalog for offerings.

COLLEGE PREPARATORY

001	Physical Education		2
005	Driver Education		1
102	English II		4
202	U.S. History		4
402	Biology		6
___	MATH	305 Algebra I	
		302 Algebra II	4
		312 Geometry	
	Select One:		
___	LANGUAGE	531 French I	
		501 French II	
		533 German I	
		503 German II	4
		534 Spanish I	
		504 Spanish II	
		535 Latin I	

NOTE: C.P. students may select business education courses as part of their program. See course catalog for offerings.

GENERAL

001	Physical Education	2
005	Driver Education	1
106	English II	4
204	U.S. History	4
306	Gen. Math II	4
404	Biology	5
___	Elective	4
___	Elective	4

VOCATIONAL-TECHNICAL

001	Physical Education	2
005	Driver Education	1
106	Gen. English II	4
204	U.S. History	4
306	Gen. Math II	4

LIST IN NUMERICAL SEQUENCE ALL THE REQUIRED CODE NUMBERS CIRCLED ON THIS FORM.

1. ____ 2. ____ 3. ____ 4. ____

5. ____ 6. ____ 7. ____ 8. ____

NO CHANGES AFTER JULY 1, 1985.

APPROVED BY: _____
(Parent's Signature)

DATE: _____

ELECTIVES 4 Pds., 1 Yr., 1 Credit

E-139	ParKey (Yearbook) (5 pds.)
E-140	Trumpet (School Newspaper)
E-701	Art II
E-744	Band - Instrumental
E-745	Chorus - Vocal
E-801	Contemporary Foods
E-802	Sewing II
E-840	Child Development/Laboratory
E-901	Drafting II
E-902	Industrial Materials II (Wood)
E-903	I.A. Power Technology II (Metal)
E-904	Graphic Communications II (Print)

ELECTIVES 4 Pds., ½ Yr., .5(½) Credit

E-134	Theater Arts I
E-137	Journalism
E-138	Broadcasting
E-332	Computer Programming I
E-601-635	Business Education courses as electives. See course catalog for offerings.
E-731	El. Art
E-831	El. Sewing
E-832	Creative Home Crafts
E-833	Home Decorating
E-834	Basic Foods
E-835	American Foods
E-836	Foods With a Foreign Flair
E-837	Creative Single Living
E-931	El. Drafting
E-932	El. Industrial Materials (Wood)
E-933	El. Power Technology (Metal)
E-934	El. Graphic Communications (Print)

ELECTIVES 1 Pd., 1 Yr., NO CREDIT

0-747	Piano
0-755	Guitar
0-756	Pop Piano

PLACE IN PREFERENTIAL ORDER ALL THE ELECTIVE CODE NUMBERS CIRCLED ON THIS FORM.

1. ____ 2. ____ 3. ____ 4. ____

5. ____ 6. ____ 7. ____ 8. ____

ALTERNATIVE ELECTIVE:

____ 1. _____
Code # Elective

ELEVENTH GRADE

1985-86 PARKLAND HIGH SCHOOL REGISTRATION

Business Education
College Preparatory

PLEASE PRINT

Student's Name: _____ Sex: (M F)
(Last) (First) (Middle) Phone Number: _____

Total Time Available: 35 class periods/week MINIMUM REQUIREMENTS: 24 class periods/week

PLEASE CIRCLE YOUR CHOICE OF CURRICULUM AND CODE NUMBER OF SUBJECT CHOICES.

BUSINESS EDUCATION

Code No.	Required	Pds.
015	Health	2
021	Physical Education	2
114	B.E. English III	4
216	World Cultures	4
611	Office Typing II	4
613	Accounting I	4
615	Business Computer & Data Processing (1 semester)	4
612	Shorthand) CHOOSE	4
614	Law & Sales) ONE	

NOTE: B.E. students may select college preparatory courses as part of their program. See course catalog for offerings.

COLLEGE PREPARATORY

015	Health		2
021	Physical Education		2
___	ENGLISH	111 Honors English	5
		112 English III	4
		113 English III G/HP	4
___	SOCIAL STUDIES	209 Modern European History G/HP	4
		OR	
		210 Modern European History	4
		and select one:	
___		213 The Far East	
		214 The Middle East	4
		215 U.S.S.R. & Europe	
___	MATH	302 Algebra II	4
		312 Geometry	4
		313 Honors Trig.-Alg. III	5
		314 Trig.-Alg. III G/HP	4
		322 Trig.-Alg. III	4
___	SCIENCE	410 Honors Chemistry	6
		411 Chemistry G/HP	5
		412 C.P. Chemistry	5
		413 Physical Science	4
	Recommend 1 of the following:		
___	LANGUAGE	531 Fr. I / 524 Sp. IV	
		501 Fr. II / 533 Ger. I	
		511 Fr. III / 503 Ger. II	
		521 Fr. IV / 513 Ger. III	4
		534 Span. I / 523 Ger. IV	
		504 Span. II / 535 Latin I	
		514 Span. III / 536 Latin II	

NOTE: C.P. students may select business education courses as part of their program. See course catalog for offerings.

LIST IN NUMERICAL SEQUENCE ALL THE CODE NUMBERS OF REQUIRED COURSES CIRCLED ON THIS FORM.

1. ___ 2. ___ 3. ___ 4. ___ 5. ___

6. ___ 7. ___ 8. ___ 9. ___ 10. ___

NO CHANGES AFTER JULY 1, 1985.

APPROVED BY: _____
(Parent's Signature)

DATE: _____

ELECTIVES 4 Pds., 1 Yr., 1 Credit

E-135	Theater Arts II
E-139	ParKey (Yearbook) (5 pds.)
E-140	Trumpet
E-711	Art III
E-744	Band - Instrumental
E-745	Chorus - Vocal
E-749	A.P. Music
E-801	Contemporary Foods
E-812	Sewing III
E-840	Child Development/Laboratory
E-911	Drafting III
E-912	Industrial Materials III (Wood)
E-913	Power Technology III (Metal)
E-914	Graphic Communications III (Print)

ELECTIVES 4 Pds., ½ Yr., .5(½) Credit

E-032	First Aid & Lifesaving
E-033	Athletics & Society
E-036	Care & Prevention of Athletic Injuries
E-131	Creative Writing
E-134	Theater Arts I
E-137	Journalism
E-138	Broadcasting
E-232	International Relations
E-235	General Psychology
E-236	U.S. Since W.W. II
E-331	General Computer Math
E-332	Computer Programming I
E-333	Computer Programming II
E-431	Advanced Biology
E-437	Anatomy & Physiology
E-537	Occupational Spanish
E-601-635	Business Education courses as electives. See course catalog for offerings.
E-731	El. Art
E-831	El. Sewing
E-832	Creative Home Crafts
E-833	Home Decorating
E-834	Basic Foods
E-835	American Foods
E-836	Foods With a Foreign Flair
E-837	Creative Single Living
E-931	El. Drafting
E-932	El. Industrial Materials (Wood)
E-933	El. Power Technology (Metal)
E-934	El. Graphic Communications (Print)

ELECTIVES 1 Pd., 1 Yr., NO CREDIT

0-747	Piano
0-755	Guitar
0-756	Pop Piano

PLACE IN PREFERENTIAL ORDER ALL ELECTIVES SELECTED ON THIS FORM.

1. ___ 2. ___ 3. ___ 4. ___ 5. ___

ALTERNATIVE ELECTIVE:

___ 1. _____
Code # Elective

ELEVENTH GRADE

1985-86 PARKLAND HIGH SCHOOL REGISTRATION FORM

PLEASE PRINT

General
Vocational-Technical

Student's Name: _____
(Last) (First) (Middle)

Sex: (M F)
Phone Number: _____

PLEASE CIRCLE YOUR CHOICE OF CURRICULUM AND CODE NUMBER OF SUBJECT CHOICES.

GENERAL

Total Time Available: 35 class periods/week
MINIMUM REQUIREMENTS: 24 class periods/week

Code No.	Required	Pds.
015	Health	2
021	Physical Education	2
116	Gen. English II	4
216	World Cultures	4
316	Gen. Math II	4
416	Gen. Science III	4
916	Industrial Careers and Life Skills	4

NOTE: General students may select business education courses as part of their program. See course catalog for offerings.

VOCATIONAL-TECHNICAL

Total Time Available: 15 class periods/week
MINIMUM REQUIREMENTS: 14 class periods/week

Code No.	Required	Pds.
021	Physical Education	2
116	Gen. English III	4
216	World Cultures	4
407	Biology	4

CIRCLE TIME AND COURSE:

VOCATIONAL	TECHNICAL
942 A.M.	
945 P.M.	

LIST IN NUMERICAL SEQUENCE ALL THE CODE NUMBERS OF REQUIRED COURSES CIRCLED ON THIS FORM.

1. ____ 2. ____ 3. ____ 4. ____ 5. ____

6. ____ 7. ____ 8. ____ 9. ____ 10. ____

NO CHANGES AFTER JULY 1, 1985.

APPROVED BY: _____
(Parent's Signature)

DATE: _____

ELECTIVES 4 Pds., 1 Yr., 1 Credit

E-135	Theater Arts II
E-139	ParKey (Yearbook) (5 pds.)
E-140	Trumpet
E-711	Art III
E-744	Band - Instrumental
E-745	Chorus - Vocal
E-801	Contemporary Foods
E-812	Sewing III
E-840	Child Development/Laboratory
E-911	Drafting III
E-912	Industrial Materials III (Wood)
E-913	Power Technology III (Metal)
E-914	Graphic Communications III (Print)

ELECTIVES 4 Pds., ½ Yr., .5(½) Credit

E-032	First Aid & Lifesaving
E-033	Athletics & Society
E-036	Care & Prevention of Athletic Injuries
E-131	Creative Writing
E-134	Theater Arts I
E-137	Journalism
E-138	Broadcasting
E-236	U.S. Since W.W. II
E-331	General Computer Math
E-437	Anatomy & Physiology
E-601-635	Business Education courses as electives. See course catalog for offerings.
E-731	El. Art
E-831	El. Sewing
E-832	Creative Home Crafts
E-833	Home Decorating
E-834	Basic Foods
E-835	American Foods
E-836	Foods With a Foreign Flair
E-837	Creative Single Living
E-931	El. Drafting
E-932	El. Industrial Materials (Wood)
E-933	El. Power Technology (Metal)
E-934	El. Graphic Communications (Print)

ELECTIVES 1 Pd., 1 Yr., NO CREDIT

0-747	Piano
0-755	Guitar
0-756	Pop Piano

PLACE IN PREFERENTIAL ORDER ALL ELECTIVES SELECTED ON THIS FORM.

1. ____ 2. ____ 3. ____ 4. ____ 5. ____

ALTERNATIVE ELECTIVE:

1. _____
Code # Elective

TWELFTH GRADE

1985-86 PARKLAND HIGH SCHOOL REGISTRATION FORM

Business Education
College Preparatory

PLEASE PRINT

Student's Name: _____ Sex: (M F)
(Last) (First) (Middle Initial) Phone Number: _____

Total Time Available: 35 class periods/week
MINIMUM REQUIREMENTS: 26 class periods/week

PLEASE CIRCLE YOUR CHOICE OF CURRICULUM AND CODE NUMBER OF SUBJECT CHOICES.

BUSINESS EDUCATION

Code No.	Required		Pds.
021	Physical Education		2
124	B.E. English IV		4
224	Sociology-Government		4
624	Office Information Processing		4
622	Secretarial Office Procedures	CHOOSE ONE	10
623	Accounting II		4
625	Clerical Office Procedures		4
ELECTIVES			
612	Shorthand		4
614	Law		4
623	Accounting II		4

NOTE: B.E. students may select college preparatory courses as part of their program. See course catalog for offerings.

COLLEGE PREPARATORY

Code No.	Required			Pds.
021	Physical Education			2
___	ENGLISH	120 AP English		5
		122 English IV		4
	SOCIAL	221 Economics/Govt.	G/HP	4
___	STUDIES	222 Economics/Govt.		4
	Recommend:			
___	MATH	312 Geometry		4
		322 Trig.-Algebra III		4
		321 Honors Calculus		5
		323 Analytical Geometry & Calculus		4
___	SCIENCE	410 Honors Chemistry		6
		412 C.P. Chemistry		5
		413 Physical Science		4
		421 Physics	G/HP	5
		422 Physics		5
___	LANGUAGE	531 Fr. I	524 Sp. IV	
		501 Fr. II	533 Ger. I	
		511 Fr. III	503 Ger. II	
		521 Fr. IV	513 Ger. III	4
		534 Sp. I	523 Ger. IV	
		504 Sp. II	535 Latin I	
		514 Sp. III	536 Latin II	

NOTE: C.P. students may select business courses as part of their program. See course catalog for offerings.

LIST IN NUMERICAL SEQUENCE ALL THE CODE NUMBERS OF REQUIRED COURSES CIRCLED ON THIS FORM.

1. ____ 2. ____ 3. ____ 4. ____ 5. ____

6. ____ 7. ____ 8. ____ 9. ____ 10. ____

NO CHANGES AFTER JULY 1, 1985.

APPROVED BY: _____
(Parent's Signature)

DATE: _____

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ELECTIVES 4 Pds., 1 Yr., 1 Credit

E-135	Theater Arts II
E-139	ParKey (Yearbook) (5 pds.)
E-140	Trumpet
E-721	Art IV
E-744	Band - Instrumental
E-745	Chorus - Vocal
E-749	A.P. Music
E-801	Contemporary Foods
E-822	Sewing IV
E-840	Child Development/Laboratory
E-921	Drafting IV
E-922	Industrial Materials IV (Wood)
E-923	Power Technology IV (Metal)
E-924	Graphic Communications IV (Print)

ELECTIVES 4 Pds., ½ Yr., .5(½) Credit

E-032	First Aid & Lifesaving
E-033	Athletics & Society
E-036	Care and Prevention of Injuries
E-131	Creative Writing
E-134	Theater Arts I
E-137	Journalism
E-138	Broadcasting
E-143	Basic Composition Practice
E-232	International Relations
E-234	Sociology
E-235	Gen. Psychology
E-236	U.S. Since W.W. II
E-331	General Computer Math
E-332	Computer Programming I
E-333	Computer Programming II
E-334	Statistics
E-335	Pascal
E-431	Advanced Biology - 5 periods
E-433	Advanced Chemistry (Inorganic/Organic) WG (6 pds.)
E-437	Anatomy & Physiology
E-537	Occupational Spanish
E-601-635	Business Education courses as electives. See course catalog for offerings.
E-731	El. Art
E-831	El. Sewing
E-832	Creative Home Crafts
E-833	Home Decorating
E-834	Basic Foods
E-835	American Foods
E-836	Foods With a Foreign Flair
E-837	Creative Single Living
E-931	El. Drafting
E-932	El. Industrial Materials (Wood)
E-933	El. Power Technology (Metal)
E-934	El. Graphic Communications (Print)

ELECTIVES 1 Pd., 1 Yr., NO CREDIT

0-747	Piano
0-755	Guitar
0-756	Pop Piano

PLACE IN PREFERENTIAL ORDER ALL THE ELECTIVE CODE NUMBERS CIRCLED ON THIS FORM.

1. ____ 2. ____ 3. ____ 4. ____ 5. ____

ALTERNATIVE ELECTIVE:

____ 1. _____
Code # Elective

TWELFTH GRADE — 1985-86 PARKLAND HIGH SCHOOL REGISTRATION FORM

PLEASE PRINT — Vocational-Technical

Student's Name: _____ Sex: (M F)
(Last) (First) (Middle) Phone Number: _____

PLEASE CIRCLE YOUR CHOICE OF CURRICULUM AND CODE NUMBER OF SUBJECT CHOICES.

GENERAL
Total Time Available: 35 class periods/week
MINIMUM REQUIREMENTS: 26 class periods/week

Code No.	Required	Pds.
021	Physical Education	2
126	Gen. English IV	4
224	Sociology-Government	4
326	Gen. Math IV	4
___	Full Year Elective	4
___	Elective) 1 full year or	
___	Elective) 2 semesters	4

NOTE: General students may select business education courses as part of their program. See course catalog for offerings.

VOCATIONAL-TECHNICAL
Total Time Available: 15 class periods/week
MINIMUM REQUIREMENTS: 12 class periods/week

Code No.	Required	Pds.
015	Health	2
021	Physical Education	2
126	Gen. English IV	4
224	Sociology-Government	4

CIRCLE TIME AND COURSE:

VOCATIONAL	TECHNICAL
943 A.M.	
946 P.M.	

LIST IN NUMERICAL SEQUENCE ALL THE CODE NUMBERS OF REQUIRED COURSES CIRCLED ON THIS FORM.

1. ____ 2. ____ 3. ____ 4. ____ 5. ____

6. ____ 7. ____ 8. ____ 9. ____ 10. ____

NO CHANGES AFTER JULY 1, 1985.

APPROVED BY: _____
(Parent's Signature)

DATE: _____

ELECTIVES 4 Pds., 1 Yr., 1 Credit

E-135	Theater Arts II
E-139	Parkey (Yearbook) (5 pds.)
E-140	Trumpet
E-413	Physical Science (5 periods)
E-721	Art IV
E-744	Band - Instrumental
E-745	Chorus - Vocal
E-801	Contemporary Foods
E-822	Sewing IV
E-840	Child Development/Laboratory
E-916	Industrial Careers and Life Skills
E-921	Drafting IV
E-922	Industrial Materials IV (Wood)
E-923	Power Technology IV (Metal)
E-924	Graphic Communications IV (Print)

ELECTIVES 4 Pds., ½ Yr., .5(½) Credit

E-032	First Aid & Lifesaving
E-033	Athletics & Safety
E-036	Care & Prevention of Athletic Injuries
E-131	Creative Writing
E-134	Theater Arts I
E-137	Journalism
E-138	Broadcasting
E-232	International Relations
E-234	Sociology
E-236	U.S. Since W.W. II
E-331	General Computer Math
E-437	Anatomy & Physiology
E-601-635	Business Education courses as electives. See course catalog for offerings.
E-731	El. Art
E-831	El. Sewing
E-832	Creative Home Crafts
E-833	Home Decorating
E-834	Basic Foods
E-835	American Foods
E-836	Foods With a Foreign Flair
E-837	Creative Single Living
E-931	El. Drafting
E-932	El. Industrial Materials (Wood)
E-933	El. Power Technology (Metal)
E-934	El. Graphic Communications (Print)

ELECTIVES 1 Pd., 1 Yr., NO CREDIT

0-747	Piano
0-755	Guitar
0-756	Pop Piano

PLACE IN PREFERENTIAL ORDER ALL ELECTIVES SELECTED ON THIS FORM.

1. ____ 2. ____ 3. ____ 4. ____ 5. ____

ALTERNATIVE ELECTIVE:

____ 1. _____
Code # Elective

Physical Education

Code No.	Course	Pds./Wk.	Sem.	Credit
001	Physical Education	2	2	.25
021	Physical Education	2	2	.25
015	Health	2	2	.25
030	Adapted Physical Education	2	2	.25
032	Lifesaving	4	1	.5
033	Athletics & Society	4	1	.5
034	Aquatic Assistance Program	varies	varies	
036	Care and Prevention of Injuries	4	1	.5
***	Physical Education Student Asst. Program	varies	varies	

Driver Education

005	Driver Education Theory	1	2	.25

English

101	English II - Honors	5	2	1.0
102	English II - C.P.	4	2	1.0
103	English II - G/HP	4	2	1.0
104	English II	4	2	1.0
106	English II	4	2	1.0
111	English III - Honors	5	2	1.0
112	English III - C.P.	4	2	1.0
113	English III - G/HP	4	2	1.0
114	English III - B.E.	4	2	1.0
116	English III - Gen.	4	2	1.0
120	English IV - A.P.	5	2	1.0
121	English IV - LCCC	5	2	1.0
122	English IV - C.P.	4	2	1.0
124	English IV - B.E.	4	2	1.0
126	English IV - Gen.	4	2	1.0
131	Creative Writing	4	1	.5
134	Theater Arts I	4	1	.5
135	Theater Arts II	4	2	1.0
137	Journalism	5	1	.5
138	Broadcasting	4	1	.5
139	Par Key Yearbook	5	2	1.0
140	Par Key Yearbook	3	2	.5
141	Trumpet	5	2	1.0
142	Trumpet	3	2	.5
143	Basic Composition Practice	4	1	.5

Social Studies

200	American History - Honors	5	2	1.0
201	U.S. History - G/HP	4	2	1.0
202	U.S. History - C.P.	4	2	1.0
204	U.S. History - B.E., Gen., V.T.	4	2	1.0
209	Modern European History - G/HP	4	2	1.0
210	Modern European History - C.P.	4	1	.5
210-213	Far East - C.P.	4	1	.5
210-214	Middle East - C.P.	4	1	.5
210-215	U.S.S. R. & E. Europe - C.P.	4	1	.5
216	World Cultures - B.E., Gen., V.T.	4	2	1.0
221	Economics - G/HP	4	1	.5
221	American Government - G/HP	4	1	.5
222	Economics - C.P.	4	1	.5
222	American Government - C.P.	4	1	.5
224	American Government - B.E., Gen., V.T.	4	1	.5
224	Sociology - B.E., Gen., V.T.	4	1	.5
232	International Relations	4	1	.5
234	Sociology - C.P.	4	1	.5
235	General Psychology	4	1	.5
236	U.S. Since World War II	4	1	.5

(AP) - Advanced Placement, (G/HP) - Gifted/High Potential

Mathematics

Code No.	Course	Pds./Wk.	Sem.	Credit
305	Algebra I	4	2	1.0
302	Algebra II	4	2	1.0
313	Trigonometry/Algebra III - Honors	5	2	1.0
314	Trigonometry/Algebra III - G/HP	4	2	1.0
322	Algebra III/Trigonometry	4	2	1.0
307	General Mathematics	4	2	1.0
306	General Mathematics II	4	2	1.0
316	General Mathematics III	4	2	1.0
326	General Mathematics IV	4	2	1.0
303	Geometry - Honors	5	2	1.0
304	Geometry - G/HP	4	2	1.0
310P	Geometry - Packet	4	2	1.0
312	Geometry	4	2	1.0
321	Calculus - Honors	5	2	1.0
323	Analytical Geometry & Calculus	4	2	1.0
331	General Computer Mathematics	4	1	.5
332	Computer Programming I	4	1	.5
333	Computer Programming II	4	1	.5
334	Statistics	4	1	.5
335	Pascal	4	1	.5

Science

400	Biology -	6	2	1.0
401	Biology - G/HP	6	2	1.0
402	Biology - C.P.	6	2	1.0
404	Biology - B.E., Gen.	5	2	1.0
407	Biology - V.T.	4	2	1.0
431	Advanced Biology	5	1	.5
410	Chemistry - Honors	6	2	1.0
411	Chemistry - G/HP	5	2	1.0
412	Chemistry	5	2	1.0
433	Advanced Chemistry (Inorganic/Organic)	6	2	1.0
416	General Science III	4	2	1.0
413	Physical Science	4	2	1.0
421	Physics - G/HP	5	2	1.0
422	Physics	5	2	1.0
437	Anatomy and Physilogy	4	1	.5

Foreign Languages

531	French I	4	2	1.0
501	French II	4	2	1.0
511	French III	4	2	1.0
521	French IV	4	2	1.0
533	German I	4	2	1.0
503	German II	4	2	1.0
513	German III	4	2	1.0
523	German IV	4	2	1.0
534	Spanish I	4	2	1.0
504	Spanish II	4	2	1.0
514	Spanish III	4	2	1.0
524	Spanish IV	4	2	1.0
535	Latin I	4	2	1.0
536	Latin II	4	2	1.0
537	Occupational Spanish	4	1	.5

(AP) - Advanced Placement, (G/HP) - Gifted/High Potential

Business Education

Code No.	Course	Pds. Wk.	Sem.	Credit
613	Accounting I	4	2	1.0
623	Accounting II	4	2	1.0
614	Business Law/Sales	4	2	1.0
615	Business Computer & Data Processing	4	1	.5
602	Business Mathematics	4	2	1.0
625	Clerical Office Procedures	4	2	1.0
624	Office Information Processing	4	2	1.0
612	Shorthand	4	2	1.0
622	Secretarial Office Procedures Shorthand and Transcription	10	2	2.0
601	Office Typing I	4	2	1.0
611	Office Typing II	4	2	1.0
634	Consumer In Action	4	1	.5
631	Personal Typing	4	1	.5
632	Personal Financial Management	4	1	.5
626	School Store Practice	4	2	1.0
633	School Office Experience	4	2	1.0
635	Notetaking	4	1	.5

Art

701	Art II	4	2	1.0
711	Art III	4	2	1.0
721	Art IV	4	2	1.0
731	Elective Art	4	1	.5
***	Independent Study Programs	1	1	.5

Music

744	Band	4	2	1.0
744	Instrumental Theory I, II, or III	2	2	.5
745	Chorus	2	2	.5
745	Vocal Theory I, II, or III	2	2	.5
747	Piano	1	2	0
755	Guitar	1	2	0
756	Pop Piano	2	1	0
757	Music - AP	4	2	1.0

Home Economics

801	Contemporary Foods	4	2	1.0
802	Sewing II	4	2	1.0
812	Sewing III	4	2	1.0
822	Sewing IV	4	2	1.0
831	Elective Sewing	4	1	.5
832	Creative Home Crafts	4	1	.5
833	Home Decorating	4	1	.5
834	Basic Foods	4	1	.5
835	American Foods	4	1	.5
836	Foods With a Foreign Flair	4	1	.5
837	Creative Single Living	4	1	.5
840	Child Development/Laboratory	4	2	1.0

(AP) - Advanced Placement, (G/HP) - Gifted/High Potential

Industrial Arts

Code No.	Course	Pds./Wk.	Sem.	Credit
901	Drafting II	4	2	1.0
911	Drafting III	4	2	1.0
921	Drafting IV	4	2	1.0
931	Elective Drafting	4	1	.5
904	Graphics II (Print)	4	2	1.0
914	Graphics III (Print)	4	2	1.0
924	Graphics IV (Print)	4	2	1.0
916	Industrial Careers and Life Skills	4	2	1.0
934	Elective Graphics	4	1	.5
902	Industrial Materials II (Wood)	4	2	1.0
912	Industrial Materials III (Wood)	4	2	1.0
922	Industrial Materials IV (Wood)	4	2	1.0
932	Elective Manufacturing	4	1	.5
903	Power Technology II (Metal)	4	2	1.0
913	Power Technology III (Metal)	4	2	1.0
923	Power Technology IV (Metal)	4	2	1.0
933	Elective Power Technology (Metal)	4	1	.5

Other Offerings

961	Elementary Teacher Aide Program (ETAP)	10	1	1.0
962	Community Learning Experience for Gifted	4	varies	varies
963	Library Aide	varies	varies	varies

(AP) - Advanced Placement, (G/HP) - Gifted High Potential

ART

701 Art II — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: Junior high art
Curriculum: All

This course includes study of the following subjects and materials: still life objects - pencil, pen and ink, tempura; perspective - pencil, pen/brush and ink; contour drawing; copper enameling - jewelry, bowls; light and shadow drawing - portraits, figures - brush and ink; oils - landscape; block carving and painting. Water color painting and clay work are optional units. Use of the elements and principles of design will form the basis for this work. In some cases, the class will work with a specific element or principle in mind. In other cases, the work will have its basis very generally in the field of design. Hopefully, students will become aware of the importance of design in all media that they use. Out of class sketching and preliminary sketches used as working drawings are emphasized for almost all work. The importance of sketching, developing one's sketching ability, and proper use of sketches in planning one's work are an invaluable aid to doing a successful job of producing worthwhile art products.

711 Art III — 2 Semesters — 1 Credit — Grades 11, 12
Recommended Prerequisites: Junior high art
Curriculum: All

To begin, a student spends a few days making and decorating a portfolio. This puts him/her at ease for the activities to come. Drawing is greatly emphasized as a skill which has to be developed and understood. Time is spent in the study of hands, head, features, i.e., eye, ear, nose, after which the student works in oil painting, water coloring, handwrought jewelry (brass - optional: silver) and textile design - batik. Clay work and pastels are optional units. The student is constantly challenged according to his/her abilities.

721 Art IV — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: Must be an advanced art student
Curriculum: Art

Everything completed by the student (same subjects as Art II and III) is done on a more advanced scale--the growth of previous years of study. Those students desiring to go on to art schools start in September to develop their portfolios for presentation. In addition, mural painting, clay modeling, and handwrought jewelry (brass - optional: silver) are offered.

731 Elective Art — 1 Semester — .5 Credit — Grades 10, 11, 12
Recommended Prerequisites: Junior high art
Curriculum: All

This course includes study of the following subjects and materials: still life - pencil, pen and ink studies, and oil painting. Optional units include design/stylizations - polymer paints; copper enameling - creation of jewelry items and decorated bowls; clay - pottery/sculpture; calligraphy and charcoal drawing. The basic concept is to give these students a variety of art experiences--a "smattering" of projects and ideas. The attempt is made to design this course for the student who enjoys art and creating, but does not care to major in art. Through a variety of media, variety of techniques, etc., it is hoped that the student will develop an appreciation for, and an association with, art--even though it may not be his/her major interest in life.

INDEPENDENT STUDY PROGRAMS - ART

*** Contract-Oil painting — 1 Semester — .5 Credit — Grades 10, 11, 12
Recommended Prerequisites: Strong background in drawing; teacher recommendation
Curriculum: All

This course is for the serious student who has a strong desire to study oil painting. Each student will be assigned problems from basic understanding of materials and canvas preparation to the study of master painters. Materials will be provided for a fee.

Time must be available at least once a week for consultation and criticism. Flexibility will be maintained to ensure that all the student's needs are met.

*** Contract-Interior Design 1 Semester .5 Credit Grades 10, 11, 12
Recommended Prerequisites: Previous classroom experience; teacher recommendation
Curriculum: All

The student will have fundamental experiences in interior design including a study of styles or periods of furniture, rendering in perspective, and theme development. Materials will be provided at a nominal fee.

At least one free period per week should be available for supplemental instruction and conferences.

*** Contract-Drawing 1 Semester .5 Credit Grades 10, 11, 12
Recommended Prerequisites: Previous high school or junior high experience; teacher recommendation
Curriculum: All

Study in this area will include an exploration of materials, composition and study of the techniques of the masters. Each experience will have a designated number of drawings to be completed as a requirement.

The student should have at least one period per week free to confer with the instructor.

BUSINESS

601 Office Typing I — 2 Semesters — 1 Credit — Grade 10
Recommended Prerequisites:
Curriculum: B.E., C.P.

This course is required of all first-year Business Education students. The primary objective in Typewriting I is the development of the ability to do typewriting for vocational and personal use. Some of the major topics covered are personal and business letters, composing at the typewriter, outlines, rough drafts, postal cards, index cards, addressing envelopes, typing manuscripts, and various business forms. Electric typewriters are used.

602 Business Mathematics — 2 Semesters — 1 Credit — Grade 10
Recommended Prerequisites:
Curriculum: B.E.

The course applies arithmetic fundamentals to problems common in the business world. Short cuts and mental calculations are employed. The objective is to achieve the attitudes and a level of accuracy comparable to that of a competent clerical employee.

Practical problems in the areas of insurance, banking, taxes, sales, savings, investments, payroll, and invoices are presented. Problem solving and drill work are used extensively.

Course content provides both reinforcement of the fundamentals and focus on practical applications.

611 Office Typing II — 2 Semesters — 1 Credit — Grade 11
Recommended Prerequisites: Typing I
Curriculum: B.E.

This course further develops skills in the use of letter styles, business forms, proofreading, composition, grammar, and punctuation while also developing a proficiency in the use of the typewriter for both personal and vocational use. An effort is also made to develop certain desirable traits, attitudes, and habits that are essential in the business world. Electric typewriters are used in this course.

612 Shorthand — 2 Semesters — 1 Credit — Grade 11
Recommended Prerequisites: Have a grade of "C" or better in Typing I and English
Curriculum: B.E., C.P.

This course attempts to lay the foundation for vocational competence by developing the ability to read and write shorthand outlines fluently. During Shorthand I the student attempts to take dictation at increasing speeds of 40 WPM to 80 WPM with a goal of 95% accuracy or better.

613 Accounting I — 2 Semesters — 1 Credit — Grade 11
Recommended Prerequisites:
Curriculum: B.E., C.P.

This course deals with the basic concepts in accounting. Using the double entry system, the bookkeeping cycle is studied for a service type business (using one journal and one ledger) and for a mercantile business (using special journals and subsidiary ledgers). Special treatment is given to petty cash, discounts, returns and allowances, payroll, bad debts, depreciation, and cash transactions.

614 Business Law and Sales — 2 Semesters — 1 Credit — Grade 11
Recommended Prerequisites:
Curriculum: B.E.

The Business Law course includes the topics: classification of law, elements of a contract, employer and employee regulations, property, insurances, and negotiable instruments.

Sales provides the pupils with a basic understanding of sales techniques and the psychology of selling. Sales techniques will be demonstrated for use as consumer protection. Each student must prepare an oral presentation of a product of their own choosing.

615 Business Computers and Data Processing — 1 Semester — .5 Credit — Grade 11
Recommended Prerequisites:
Curriculum: B.E.

This course is designed to provide an introduction to computers and data processing for any student desiring to learn what a computer is, how a computer functions, how a computer is controlled and how a computer is applied to the solution of business and related problems in a modern society. Also included is an introduction to program design and computer programming using the Basic language.

622 Secretarial Office Procedures — 2 Semesters — 2 Credits — Grade 12
Recommended Prerequisites: Have a grade of "C" or better in Shorthand I and Typing II
Curriculum: B.E., C.P.

Secretarial Office Practice combines shorthand, transcription, business English, and secretarial procedures. The shorthand portion is designed to increase shorthand skills: the typing portion includes transcription from shorthand notes and from transcribing machines, practice in increasing typing skills, practice in typing office related forms, etc; business English consists of reviewing and training in related secretarial skills including proofreading grammar, punctuation, and vocabulary. In secretarial procedures, attention is given to the development of personal qualities for success on the job.

623 Accounting II — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: Have a grade of "C" or better in Accounting I
Curriculum: B.E., C.P.

This full-year course is elective to all students who have successfully completed a course in elementary accounting. The course includes a review of the accounting cycle, advanced accounting principles, partnership and corporation accounting and an accounting project applying accounting principles to a simulated corporation accounting office.

624 Office Information Processing — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: Office Typing I and Office Typing II
Curriculum: B.E., C.P.

This two-part course provides a knowledge and practical application of the basic rules for filing. Alphabetic, geographic, subject, and numeric methods are applied through the use of a practice set with business papers. During the second phase, a variety of practice problems are provided in operating transcribing machines, electronic calculators, electronic bookkeeping-accounting machines, electronic typewriters, memory typewriters, and word processing equipment.

625 Clerical Office Procedures — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: Office Typing I and Office Typing II
Curriculum: B.E.

Enrollment in this course consists of senior non-secretarial business students. Rather than follow the content of a standard clerical textbook, the work is divided into various practical business areas: advanced typing procedures, payroll procedures, and telephone usage. An office simulation practice set is used for apporximately one semester. This diversified program meets the needs of the students in the clerical sequence who exhibit a wide range of interests and abilities.

626 School Store Practice — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: Teacher recommendation
Curriculum: B.E.

Students staff and operate the school store. They receive experience in buying, checking, marking, and selling merchandise. They also serve as cashiers, prepare advertising, handle inventory control, keep financial records, and perform managerial functions.

631 Personal Typing — 1 Semester — .5 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All non-business students

This course is designed for non-business students. In addition to keyboard techniques and stroking techniques, it stresses the personal uses of typing such as manuscripts, tabulations, personal correspondence, and composing at the typewriter.

632 Personal Financial Management — 1 Semester — .5 Credit — Grades 11, 12
Recommended Prerequisites:
Curriculum: All

This course provides the students with the background, and the opportunity to make decisions in many key real-life economic situations including: income acquisition, financial budgeting, banking services, principles of borrowing, insurance protection, principles of investments, principles of consumer buying, avoiding consumer fraud, etc.

633 School Office Experiences — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: Teacher Recommendation
Curriculum: B.E.

Students perform actual, practical typing and clerical work for the faculty, school staff, and organizations. Experiences include typing of letters, envelopes, reports, forms, and other original documents. Class members also operate the office copier and other office equipment. Other activities include sorting, filing, and collating.

634 Consumerism in Action — 1 Semester — .5 Credit — Grades 11, 12
Recommended Prerequisites:
Curriculum: All

This course provides the student with the opportunity to acquire the skills and knowledge necessary to become an informed consumer. Subject areas covered include: advertising, apartment renting, food buying, automobile buying, consumer fraud, consumer protection, and the consumerism movement.

635 Notetaking — 1 Semester — .5 Credit — Grades 10, 11
Recommended Prerequisites:
Curriculum: All (except shorthand students)

Students study a system of writing in abbreviated form in order to take more notes with less writing. Attention is also given to related notetaking procedures. This course is designed to aid college bound students and will also be of use to all students (except shorthand students) while still in high school.

DRIVER EDUCATION

005 Driver Education — 2 Semesters — .25 Credit — Grade 10
Recommended Prerequisites:
Curriculum: All

The Driver Education program consists of both classroom and practice driving instruction. The classroom course, which is offered in the tenth grade, emphasizes sound principles of highway safety, students' responsibility in the operation of a motor vehicle, and endeavors to show students the effect of physical, mental, and emotional traits on safety. This course includes presentations and discussions on defensive driving, alcohol and drugs, traffic laws and enforcement, driving attitudes, automobile insurance, vehicle maintenance, driver fitness, pedestrian safety, and basic and advanced driving techniques.

*** Recommended Prerequisites: Classroom Driver Education Course

Parkland's practice driving program is an optional two-phase program involving driving range experiences and on-the-road instruction. Driver range instruction emphasizes skills in starting, stopping, turning, backing, and parking. After students gain skill on the range, they are then exposed to country driving where traffic is at a minimum. Then progression is made to open road driving, thruway driving, and eventually, city driving. Instruction is given on cars equipped with automatic and standard trnasmissions. This program is scheduled by the teacher and the student.

101 English II - Honors 2 Semesters 1 Credit Grade 10
Prerequisites: Invitation based on IQ, standardized test information, teacher evaluation and a writing sample.
Curriculum: C.P. Weighted grade. Final grade of B or better provides automatic placement in the next course in the series.

This in-depth course is both an introduction to World Literature and a study of literary form and style with a major emphasis placed on expository writing and vocabulary study. Participation in this course opens the way for the student to enter eleventh-grade honors English and eventually the twelfth-grade advanced placement class. Fifteen writing assignments are part of the course requirements.

102 English II - C.P. 2 Semesters 1 Credit Grade 10
Recommended Prerequisites: Ninth-grade C.P. English
Curriculum: C.P.

The tenth-grade English program centers around literature, composition, grammar, speech, and vocabulary. In order to develop an appreciation and understanding of the various types of literature, the course is taught according to genre (short story, novel, poetry, drama, and nonfiction).

The program reviews basic grammar and presents new concepts.

The approach to vocabulary is through a vocabulary textbook.

103 English II - G/HP 2 Semesters 1 Credit Grade 10
Prerequisites: Invitation to gifted students; high potential student invitation based on IQ, standardized test information and teacher evaluation.
Curriculum - C.P. Final grade of C or better provides automatic placement in next course in the series.

The content of this course is the same as that of the C.P. English II course. However, activities and resources that require higher level thinking skills and some differentiated contents are used to challenge the capabilities of these students.

104 English II - Comprehensive 2 Semesters 1 Credit Grade 10
Recommended Prerequisites: Ninth-grade Career English
Curriculum: B.E.

Grammar: the study of grammar concentrates upon the areas indicated in the grammar continuum and particular student weaknesses.

Composition: emphasis is placed on various methods of developing a paragraph.

Literature: the appreciation of literature is taught through the various genres (short story, novel, essay, poetry, drama, and biography).

Vocabulary: vocabulary is taught through literature and word studies.

106 English II - General 2 Semesters 1 Credit Grade 10
Recommended Prerequisites: Ninth-grade Career or Level I English
Curriculum: Gen., V.T.

All language arts areas are geared to the special interests of the students. The skills learned are designed to be functional and to benefit the student when he/she follows his/her special interests after graduation. Reading for comprehension is emphasized. Vocabulary skills are integrated in the reading unit. Letter writing and basic paragraph organization are emphasized. Linking verbs, conjunctions, and punctuation of the grammar continuum are completed.

111 English III - Honors 2 Semesters 1 Credit Grade 11
Prerequisites: Tenth-grade Honors English teacher recommendation
Curriculum: C.P. Weighted grade. Final grade of B or better provides automatic placement in the next course in the series.

The objectives of the program are the development of oral and written literary analysis by the students. The above is accomplished through the study and discussion of American Literature from puritanism through, to, and including present day literature. Fifteen themes and a term paper are minimum requirements with additional creative assignments interspersed throughout the year.

112 English III - C.P. 2 Semesters 1 Credit Grade 11
Recommended Prerequisites: Tenth-grade English
Curriculum: C.P.

This is a survey of American Literature for college preparatory students. Emphasis is on theme writing and this emphasis is supplemented with a term paper. The purpose of this course is to teach students to express themselves clearly and logically both in class discussion and in written assignments. The course includes a systematic study of vocabulary and stresses a review of grammar fundamentals in areas where weaknesses are most apparent in relation to written work.

113 English III - G/HP — 2 Semesters — 1 Credit — Grade 11
Prerequisites: Tenth grade gifted/high potential English teacher recommendation
Curriculum: C.P. Final grade of C or better provides automatic placement in next course in series.

The content of this course is the same as that of the C.P. English III course. However, activities and resources that require higher level thinking skills and some differentiated content are used to challenge the capabilities of these students.

114 English III - B.E. — 2 Semesters — 1 Credit — Grade 11
Recommended Prerequisites: Tenth-grade English
Curriculum: B.E.

The Business English course is a basic course which includes all the areas of the English curriculum. We stress practical skills. Special emphasis is placed on vocabulary study using a text and words from literature selections. Also, we teach the composition of business letters. Students learn to write sales letters, letters of inquiry, collection letters, etc. American literature, especially that of the twentieth century, is studied.

116 English III - General — 2 Semesters — 1 Credit — Grade 11
Recommended Prerequisites: Tenth-grade English
Curriculum: Gen., V.T.

The teaching of English on this level must be as personalized as possible because of the varies interest levels of the students and the wide range of their abilities. Because of these varied levels, reading for enjoyment should be stressed. Also, stress in all the language arts areas should attempt to create within the student an insight into human motives and reaction to situations, thereby achieving a more intelligent understanding of oneself and a more sympathetic attitude toward others.

120 English IV - Advanced Placement — 2 Semesters — 1 Credit — Grade 11
Prerequisites: Eleventh-grade Honors English teacher recommendation
Curriculum: C.P. Weighted grade

Students receive a required summer reading list in May with instructions that those works will be covered during September and October.

There are few lecture sessions; students spend time researching information on authors, philosophies, techniques, and critical comments. Classwork stresses discussing the works in-depth. Literature studied includes British and World.

Writing assignments number approximately twenty-five and include themes, both creative and expository, formal essays, and a research paper. Most writing topics deal with a work being discussed; for the creative assignments and an extended research paper, students basically select their own topics.

Particular attention throughout the course lies in developing the student's comprehension of each author's style of writing.

121 English IV - C.P. Lehigh County Community College English (LCCC) — 2 Semesters — 1 Credit — Grade 12
Prerequisites: Recommendation of eleventh-grade English teacher based on above-average writing ability
Curriculum: C.P.

This course is open to approximately twenty seniors who have been recommended because of their above-average writing ability. The course covers in-depth writing comprehension with emphasis on expository writing in addition to the regular twelfth-grade C.P. English curriculum. The Parkland class works in correlation with the Lehigh County Community College's English Department. Field trips to the college, exchange themes, and visits from the Community College staff are offered during the year. Upon successful completion of this course, participating students will receive three college credits from Lehigh County Community College which may be transferred to some colleges upon request by the student. A tuition fee is charged for this course. Twenty writing assignments and two research papers are part of the course requirements.

122 English IV - C.P. — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: Eleventh-grade English
Curriculum: C.P.

An intensive study, primarily of the major writers of British literature, is conducted through reading, discussion, and theme writing. The principal objective is to provoke student understanding of both the literature read and the basic human concepts presented. Vocabulary study includes the use of a text as well as words taken from the literary works which are read. A research paper is written under the supervision of the English teacher.

124 English IV - B.E. — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: Eleventh-grade English
Curriculum: B.E.

This course offers a study of British literature from Beowulf to the modern day. (Some authors studied are from British Commonwealths.) Vocabulary is studied on a weekly basis throughout the year. The course stresses usage, basic writing skills, and written business communications.

126 English IV - General, V.T. 2 Semesters 1 Credit Grade 12
Recommended Prerequisites: Eleventh-grade English
Curriculum: Gen., V.T.

The content of this course is structured to adapt to the particular needs of the students involved. The content includes concepts necessary to improve the student's communication skills which will be necessary for his/her concerns in business and/or industry. The course is designed to make the student aware of the need for clarity, accuracy, and conciseness of communication. Stress is placed on literature and vocabulary as valuable tools in the application of these skills. Contemporary problems in society are discussed in relationship to course content and teacher discretion.

131 Creative Writing 1 Semester .5 Credit Grades 11, 12
Recommended Prerequisites:
Curriculum:

The elective writing is designed to offer students opportunities to express themselves in a creative or original manner. During the semester each pupil is expected to write a short story, three essays, forms of poetry, and a children's book.

134 Theater Arts I 1 Semester .5 Credit Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All

The nature and content of this course is largely determined by the interests and needs of the students involved as well as the size and dynamics of the group. It is a workshop in the performing arts and areas of production. Grading is on an O, S, U basis.

135 Theater Arts II 2 Semesters 1 Credit Grades 11, 12
Recommended Prerequisites: Theater Arts I
Curriculum: All

This course is designed for students who show a serious interest in the theater. History of theater, acting, directing, production, and stagecraft are learned through practical experiences. Students selecting this course should expect to participate in the theatrical presentations at the school. Students may elect this course more than once in their high school career.

137 Journalism 1 Semester .5 Credit Grades 10, 11, 12
Recommended Prerequisites: Ninth-grade English
Curriculum: All

This elective will emphasize interviewing, reporting, and writing for publication. It will also stress newspaper and magazine production skills. After introductory training in journalistic writing style, students will write news stories, features, sports stories, and editorials. Each student will attempt to have at least one article printed in the school newspaper, yearbook, or in another publication.

138 Broadcasting 1 Semester .5 Credit Grades 10, 11, 12
Recommended Prerequisites: Ninth-grade English
Curriculum: All

This elective will emphasize writing news for broadcast, reporting and interviewing, speech skills needed for successful broadcasting, and radio and television production skills. The class will also discuss television entertainment programing and study social problems (such as the effects of violence on television) linked to the mass media. Students will produce several short radio news broadcasts and one television "news" show.

139 Par Key 2 Semesters .5 or 1 Credit Grades 10, 11, 12
140 Recommended Prerequisites: Interest in yearbook activities
Curriculum: All

Students wishing to join the high school yearbook staff may sign up for Par Key. Students who choose this elective will learn the basics of yearbook and magazine design, will study journalistic writing style, and will learn the basics of yearbook production. This course provides the staff with in-school time to work. In addition, the staff members usually contribute after-school time. Those interested in design, writing, photography, or business careers should especially consider joining the staff, though anyone is welcome. The course meets three to five times a week and after school as necessary during deadline weeks.

141 Trumpet 2 Semesters .5 or 1 Credit Grades 10, 11, 12
142 Recommended Prerequisites:
Curriculum: All

This class will learn the reporting, writing, business, and production skills necessary to publish the school newspaper. The staff will meet 3-5 times a week during the school day and after school as necessary during deadline weeks. Staff members should also consider taking Journalism.

143 Basic Composition Practice 1 Semester .5 Credit Grade 12
Recommended Prerequisites: 10th grade English
Curriculum: All - O, S, U grading

This is a course for those who want to improve their ability to develop an argument by providing sufficient evidence and examples. The course will be a writing workshop as students work each day in class to research, write, revise, and evaluate their papers. C.P. students who feel they need extra help with theme writing and other students who plan to attend colleges, community colleges, or career training institutions should consider taking this course in addition to their regular English class.

FOREIGN LANGUAGES

NOTE: The numerical coding of the Foreign Language courses is not consistent with the sequence of departmental offerings. In each language the sequence begins with Introduction to Modern Foreign Language and continues with Level I through Level IV.

531 French I — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: IMFL
Curriculum: All

In the French I course of study the student is exposed to simple speech patterns by means of aural-oral exercises. When basic vocabulary has been mastered the student begins reading and writing various types of exercises. The student is introduced to the geography of France as well as life in present day France.

Readings on various subjects reflect many facets of French society. These readings are taken from the texts and from other supplementary sources.

Students are evaluated on the basis of written and oral work.

501 French II — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: French I
Curriculum: All

French II aims at strengthening reading and writing skills while maintaining listening, comprehension and speaking skills. Students are given a great variety of materials to study, including dialogues on every-day topics, cultural essays, and various literary selections. Evaluation is oral and written.

511 French III — 2 Semesters — 1 Credit — Grades 11, 12
Recommended Prerequisites: French II
Curriculum: All

French III continues to strengthen and maintain comprehension, speaking, reading, and writing skills. Through a variety of materials students will hopefully achieve critical awareness and will view France and their own country with more understanding. Evaluation is oral and written.

521 French IV — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: French III
Curriculum: All

There is a general grammar review, including the structure and usage of nouns, adjectives, pronouns, and verbs. Various literary selections from the Middle Ages through the 20th Century are read, researched, discussed, and criticized in French and in English. Throughout the year students present oral and written reports on selected literary topics. Tapes dealing with grammar, literature, and culture are available for student use. Evaluation is oral and written.

533 German I — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: IMFL
Curriculum: All

Emphasis on this level is placed on understanding and speaking the German language as it is written today. The vocabulary used is chosen for its usefulness and frequency of occurrence in everyday speech. Grammar study is limited to very basic concepts and structures. Students are introduced to cultural aspects of the language through cultural reading selections. Listening comprehension is strengthened through the use of tapes which accompany the text. Writing is practiced by the student through the use of the workbook exercises. Evaluation is done through testing.

503 German II — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: German I
Curriculum: All

Emphasis is placed on listening, comprehension, speaking, reading, and writing. This is achieved through extensive vocabulary and grammar study. The student is introduced to German culture through the supplementary reading selections of the textbook, films, and tapes. The second-year work enlarges the ability to use the language by increasing vocabulary and strengthening grammar. Listening comprehension is strengthened by tapes. Beginning composition is introduced. Evaluation is written and oral.

513 German III — 2 Semesters — 1 Credit — Grades 11, 12
Recommended Prerequisites: German II
Curriculum: All

In German III comprehension, speaking, reading, and writing are developed. The students read and discuss selections from the textbooks and supplementary materials. The major grammar concepts introduced in German I and II are reviewed and then applied in oral and written assignments. The students increase their understanding of German culture through movies, slides, tapes, and discussions. The students are evaluated by oral and written tests.

523 German IV — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: German III
Curriculum: All

In German IV the language skills of reading, writing, speaking, and listening are developed. The students read and discuss works of literature and articles from newspapers and magazines. Grammar is reviewed through the reading selections and written assignments. Tapes, movies, slides, and filmstrips increase the students' understanding of German literature, history, and life. The students are evaluated by oral and written tests.

534 Spanish I — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: 1MFL
Curriculum: All

The emphasis in this course is directed toward the four basic language skills: comprehension, conversation, reading, and writing. The foreign language is spoken extensively in the classroom to develop the skills of comprehension and conversation. These two skills are reinforced through the use of tapes. Reading and writing are developed through written exercises and cultural readings. Basic grammar and vocabulary are taught in the course. This provides the student with the necessary tools to develop the four language skills. Evaluation is done by oral and written testing.

504 Spanish II — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: Spanish I
Curriculum: All

The emphasis in this course is continued development of the four language skills: comprehension, conversation, reading and writing. The foreign language is spoken extensively in the classroom to develop the skills of comprehension and conversation. Oral work is accomplished by the use of tapes and daily class drills. Workbooks are used to reinforce grammar. Reading skills are further developed through advanced reading assignments. Cultural aspects of Spanish life are also introduced through the textbook. Evaluation is done by oral and written testing.

514 Spanish III — 2 Semesters — 1 Credit — Grades 11, 12
Recommended Prerequisites: Spanish II
Curriculum: All

The textbook used in the third-year course includes a review and a continuation of grammar taught in Levels I and II. This grammar is reinforced with tapes and workbooks which supplement the textbook materials. More emphasis is placed on reading and writing than in previous levels, and the students are encouraged to speak in Spanish as much as possible. The literature book contains literary works of Spain, in chronological order from the mid-twelfth to mid-twentieth centuries. A drama project in coordination with selections from the literature book helps students to develop their speaking and writing skills. Students are able to note the development of Spanish literature, while using their language skills in this study. A study of Mexico, Central America, and South America is presented by the students in oral multimedia reports. Evaluation is accomplished by written and oral testing and the presentation of projects.

524 Spanish IV — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites: Spanish III
Curriculum: All

The emphasis is placed on communication through speaking and writing. Spanish is spoken as much as possible in the classroom and composition is used to reinforce and review grammar usage. Letter writing is an important part of the communication process. An individualized grammar unit reviews material studied in levels I, II, and III. New grammar concepts are introduced. A reader is used to develop an understanding of Spanish civilization and culture. Contemporary literature selections are read, including short stories and novels. Spanish theater is explored. A unit of Spanish poetry is explicated. The art of Spain is studied by means of a slide presentation. Evaluation consists of oral and written tests and compositions.

535 Latin I — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: Satisfactory completion of Level I of any Modern Foreign Language
Curriculum: All

This course presents the phonological, grammatical, and semantic systems of that language which is the "mother" of French, Spanish, Italian, et aliae. Instruction stresses the influence of Latin upon the English language, particularly in the area of vocabulary where the study of Latin prefixes and roots is helpful. Roman culture and civilization, which helped to form the basis of our Western Heritage, are also emphasized both by the Latin readings and by various discussion topics, such as mythology, archaeology, history. Students are evaluated on the basis of written work and oral reports.

536 Latin II — 2 Semesters — 1 Credit — Grades 11, 12
Recommended Prerequisites: Latin I
Curriculum: All

This course continues the study of the Latin grammatical and semantic systems and of Latin roots and English derivatives. Translation comprises the major portion of the second year program and culminates in the reading of excerpts from Caesar, Plautus, Catullus, Horace, Vergil, Ovid, and Cicero. Students are evaluated on the basis of written work and oral reports.

537 Occupational Spanish — 1 Semester — .5 Credit — Grades 11, 12
Recommended Prerequisites: Spanish II
Curriculum: All

This course is designed for those students who wish to pursue careers in health services, business and finance, law enforcement, and social work and will be using Spanish as a secondary skill. It will investigate the career opportunities available in these areas and will create an awareness of the skills involved. Major emphasis will be on specialized vocabulary and the use of this vocabulary in dialogues and role playing.

A unit on cultural understanding of the four predominant Spanish speaking groups in the United States is presented. Dialogues for the traveler are studied and a travel itinerary to a Spanish speaking country is developed and presented by the student. Evaluation is dependent upon the completion of various course projects and oral testing.

This course is not designed to be taken in lieu of Spanish III or Spanish IV.

In view of the changing roles and expectations of men and women in today's world, young men as well as women are encouraged to elect courses in home economics.

801 Contemporary Foods — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All Note: Students should not take this course if they elected Basic Foods.
This course challenges the individual who desires to learn the use of modern cooking equipment, to learn new cooking techniques and to examine the psychological aspects of eating. Emphasis is placed on nutrition to insure better health and to aid in wise consumerism. Cooking experiences are utilized to illustrate knowledge of contemporary techniques.

802 Sewing II — 2 Semesters — 1 Credit — Grades 10, 11
Recommended Prerequisites:
Curriculum: All
The major areas of this course include: wardrobe planning, textiles, alterations, sewing equipment, techniques, and safety.
Students are required to complete at least four projects per year, the difficulty of which is determined by the student's experience and ability.

812 Sewing III — 2 Semesters — 1 Credit — Grades 11, 12
Recommended Prerequisites:
Curriculum: All
The major areas include: dressmaking, tailoring, care and maintenance of clothing and textiles, and consumer buying.
At least four projects must be completed.

822 Sewing IV — 2 Semesters — 1 Credit — Grade 12
Recommended Prerequisites:
Curriculum: All
Sewing IV features a study of career in fashion merchandising. The student is encouraged to express his/her personality through creative design. Intelligent consumerism is encouraged in wardrobe planning. Advanced sewing techniques are studied.

831 Elective Sewing — 1 Semester — .5 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All
This is an overall survey course which includes pattern selection, sewing techniques, care and maintenance of wardrobe, and consumerism.

832 Creative Home Crafts — 1 Semester — .5 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All
This craft program is designed to allow each student the opportunity to select and create a project to their liking. Some examples of projects would be: knitting, crocheting, rug making, doll making, and seasonal crafts.

833 Home Decorating — 1 Semester — .5 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All
A more appropriate name for this course might be, "A Home Not A House." The objective of this course is to help the student understand that a home planned to focus on the psychological and sociological needs of people can make a significant contribution to mankind. A study of floor plans, line, design, furniture, and color is included as well as class projects.

834 Basic Foods — 1 Semester — .5 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All Note: Students should not take this course if they have elected Contemporary Foods.
This is a survey course for students who do not wish to take the year long Contemporary Foods class. Foods are cooked in a creative way from each of the Basic 4 Food Groups so that students can subsequently plan and cook balanced and appetizing meals. Special emphasis is given to the use of small electrical equipment used in the kitchen such as the food processor, the blender, and the microwave oven. The economical and nutritional aspects of meal planning are also examined. Students are given the opportunity to choose some of the recipes that they cook and to create some new ones of their own.

835 American Foods — 1 Semester — .5 Credit — Grades 10, 11, 12
Recommended Prerequisites: Basic Foods, Contemporary Foods
Curriculum: All
This course is designed primarily to feature the cuisine of various parts of the United States--the South, the West, the Midwest, the Northeast, etc. The influence of varied ethnic groups on the cookery of these areas will be highlighted. There will also be an attempt made to formulate some original recipes and prepare them in class.
Students should elect this course only one time during their high school career.

836 Foods With a Foreign Flair — 1 Semester — .5 Credit — Grades 10, 11, 12
Recommended Prerequisites: Basic Foods, Contemporary Foods
Curriculum: All

Most Americans have eaten "foreign foods" all their lives--and not even realized it. The recipe for Grandmother's potato dumplings came direct from Germany. The lasagna your best friend's mother made so deliciously was straight from Italy.

Because the Americans are now, more than ever, a people on the move, we've become acquainted with and discovered we like the flavors of foreign lands.

This course, then, is designed to familiarize the student with recipes from many foreign countries. Brief historical and culinary background material will be given so that students may have an inside glimpse of each country from which native recipes are prepared.

Students should elect this course only one time during their high school career.

837 Creative Single Living — 1 Semester — .5 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All

Creative Single Living is a course designed to give students a realistic view of single living and offer skills useful in meeting problems and challenges of young, single adulthood. It explores areas of understanding oneself and identifying one's values and roles in today's society.

Students will learn the importance of friendships and dating as a necessary part of maturing. Opportunity will be given to consider future roles and to evaluate one's resources, aptitudes, and interests as they relate to these roles. Personal economics, continued post-secondary education and training will be discussed. Finally the possibility of single parenthood for the unwed adult--male or female--will be studied.

840 Child Development/Laboratory — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All

This course is designed for students (male and female who like children and desire to know more about how they grow and develop. Through the actual "hands on" experiences of a play school laboratory and computer simulations, students will be able to observe the typical behavior of preschool children as they play, learn, interrelate, and emotionalize. As a result of these experiences and classroom theory, students will be able to perceive how similar experiences shaped their own personalities and values. Ultimately, this course will help students to understand the role of parent, caregiver, or early childhood teacher.

901 Drafting II — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: Ninth-grade Industrial Arts
Curriculum: All

The course begins with single stroke Gothic lettering and continues through geometric constructions, views of objects (orthographic projection), techniques, dimensioning, beginning machine drawing, and shop processes.

902 Industrial Materials II (Wood) — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: Ninth-grade Industrial Arts
Curriculum: All

Instruction is given in the use, sharpening and care of all hand tools. Each machine tool is demonstrated to show the students the proper and safe use of the tool and the various operations the machine will do. Instruction in the use of all portable power tools and accessories, finishing wood, and fastening devices are included.

903 Power Technology II (Metal) — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All

The course will be informational with hands-on experiences for both boys and girls in all areas of their choice. Areas available are welding, sheetmetal, foundry, wrought iron and general repair of home items.

904 Graphic Communications II (Print) — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: Ninth-grade Industrial Arts
Curriculum: All

The beginning student must learn the rudiments of type composition, styles of type, layout, platen press operation, paper cutter, folder, padding press, stapler, and introduction to contact negatives.

911 Drafting III — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: IA Drafting II
Curriculum: All

The second-year student will continue through with working drawings, isometric projection, obliques, one and two point perspectives, developments and intersections, and additional drawings depending on the student.

912 Industrial Materials III (Wood) — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All

This course consists of the following areas--design, hand tools and machines used in wood working. It will be a hands-on experience for both girls and boys in the production of projects of their own choice.

913 Power Technology III (Metal) — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All

This course consists of the following areas: machine, sheet metal, bench metal, welding, and casting repair. The operations and techniques needed to master the areas will be introduced.

914 Graphic Communications III (Print) — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: IA Graphic Communication II
Curriculum: All

This year begins an introduction to negatives, plate making, offset press operations, and an expanding of knowledge on all phases covered previously.

916 Industrial Careers and Life Skills — 2 Semesters — 1 Credit — Grades 11, 12
Recommended Prerequisites:
Curriculum: All

The purpose of this course is to introduce students to the various aspects necessary to function successfully in our working society. Areas of instruction will include: career decision making, how to get a job, job rights and personal responsibilities, and personal and family consumer responsibilities.

921 Drafting IV — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: IA Drafting II
Curriculum: All

The second-year student will continue through sectioning auxiliary views, revolutions and threads, and fasteners.

The third-year student will continue with working drawings, isometric projection obliques, one and two point perspectives, developments and intersections, and additional drawing depending on the student.

922 Industrial Materials IV (Wood) 2 Semesters 1 Credit Grade 10, 11, 12
Recommended Prerequisites: Manufacturing II
Curriculum: All
This course is a continuation and an expansion of manufacturing. Larger projects with more difficult construction are made.

923 Power Technology IV (Metal) 2 Semesters 1 Credit Grade 10, 11, 12
Recommended Prerequisites: IA Metal III
Curriculum: All
In senior metal shop, students plan and develop various projects of their own choice, to use tools and processes that they did not cover in eleventh grade.

924 Graphic Communications IV (Print) 2 Semesters 1 Credit Grades 10, 11, 12
Recommended Prerequisites: IA Graphic Communications II
Curriculum: All
This year begins an introduction to negatives, plate making, offset press operations, and an expanding of knowledge of all phases covered previously.

931 Elective Drafting 1 Semester .5 Credit Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All
The student will cover the same, or as much of the same, information as the IA Drawing II student, depending on his capabilities.
Students should elect this course only one time in their high school career.

932 Elective Manufacturing (Wood) 1 Semester .5 Credit Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All
This is a course designed to meet the needs of the student who does not intend to follow the mechanical trades. C.P., Business, and General students gain knowledge of tools, machines, and industrial processes.
Students should elect this course only one time in their high school career.

933 Elective Power Technology (Metal) 1 Semester .5 Credit Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All
In this course the students use the operations and techniques in each area in an exploratory manner so as to meet the requirements of Industrial Arts--that is, teaching materials and processes, not a trade.
Areas: machine, sheet metal, bench metal, welding, foundry.

934 Elective Graphic Communications (Print) 1 Semester .5 Credit Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All
In the elective printing course the student will follow the same basic course as the IA printing student, and advance according to his capabilities.
Students should elect this course only once in their high school career.

MATHEMATICS

305 Algebra I — 2 Semesters — 1 Credit — Grades 10, 11, 12
Recommended Prerequisites: Seventh and eighth-grade mathematics
Curriculum: All

Algebra I deals with developing the algebra of the real numbers. This is accomplished by first developing the algebra of the numbers of arithmetic. The student is introduced to a vocabulary of algebraic terms and such basic concepts as variable, equation, inequality, solution set, and graph. After the students learn the properties of equality and inequality and the properties of the various operations with the numbers of arithmetic, they learn that the numbers of arithmetic have various subsets--each having some properties not possessed by the other systems. The laws of exponents and radicals are a part of this course.

302 Algebra II — 2 Semesters — 1 Credit — Grade 10
Recommended Prerequisites: Algebra I
Curriculum: C.P.

The purpose of Algebra II is primarily continuing education in that branch of mathematics involving numbers, variables, and equations for use as a tool in the sciences. Secondly, it is the continuing study of a logical system in and of itself. Algebra II continues the study of patterns as they appear in the sciences. Emphasis may be placed on the structure and rigorous proof of the system or emphasis may be placed on the functional, practical, computing aspects of algebra. We strive to get somewhere between the two extremes of practical-functional and structure-proof approaches.

303 Geometry - Honors — 2 Semesters — 1 Credit — Grade 10
Prerequisites: Invitation based on IQ, standardized test information, teacher evaluation and a geometry prognosis test.
Curriculum: C.P. Weighted grade. Final grade of B or better provides automatic placement in the next course in the series.

Geometry enables a student to study relationships between geometric figures using deductive reasoning. The course develops a logical mathematical system using definitions, assumptions, properties, and theorems. Included are topics such as congruent and similar triangles, parallel, ratio and proportion, areas, inequalities, circles, etc. The accelerated content of the 303 course also includes an introduction to analytic geometry and trigonometry.

304 Geometry - G/HP — 2 Semesters — 1 Credit — Grade 10
Prerequisites: Invitation to gifted students; high potential student invitation based on IQ, standardized test information and teacher evaluation.
Curriculum: C.P. Final grade of C or better provides automatic placement in the next course in the series.

The content of this course is the same as that of the C.P. Geometry course. However, activities and resources that require higher level thinking skills and some differentiated content are used to challenge the capabilities of these students.

310P Geometry — 2 Semesters — 1 Credit — Grades 10, 11
312 310 Packet 10th, 11th - a self-paced program for students capable of time management
312 11th grade
Recommended Prerequisites: Algebra I and Algebra II
Curriculum: C.P.

Geometry enables a student to study relationships between geometric figures using deductive reasoning. The course develops a logical mathematical system using definitions, assumptions, properties, and theorems. Included are topics such as congruent and similar triangles, parallel, ratio and proportion, areas, and circles. Students may elect the course as Packet Geometry in which the second semester is self-paced.

306 General Math II — 2 Semesters — 1 Credit — Grade 10
Recommended Prerequisites: General Mathematics I
Curriculum: Gen.

This course deals with the skills of computation involving whole numbers, fractions, decimals, and percents by applying these concepts to consumer mathematics. This course was developed in cooperation with the Lehigh County Vocational Technical School.

307 General Math — 2 Semesters — 1 Credit — Grade 10
Recommended Prerequisites: Career Math
Curriculum: Gen.

This course deals with the basic skills of computation involving whole numbers, fractions, decimals, and percents by applying these concepts to consumer mathematics. Students use a workbook in the course which provides a more personalized approach.

322 Trigonometry — 1 Semester — .5 Credit — Grades 11, 12
Recommended Prerequisites: Algebra I, II, Geometry
Curriculum: C.P.

Trigonometry is a prerequisite for calculus. The course is basically built around the six trigonometric functions. The functions are defined both from previously learned algebraic and geometric concepts. These functions allow the student to solve various problems including angles and sides of triangles which would prove quite difficult by either algebraic or geometric methods alone.

322 Algebra III (C.P.) — 1 Semester — .5 Credit — Grades 11, 12
Recommended Prerequisites: Algebra I, II , Geometry
Curriculum: C.P.

Modern College Algebra is a course designed to introduce the students to the nature of algebra as a logical system. The student is made aware of the detail by rigorous discussion in set notation, order axioms, inequalities and coordinate systems as related to the study of equations, the concepts of functions and relations. It is desired that the students realize precise definitions are important, that explicit hypotheses are necessary and that any system of mathematics consists of definitions and hypotheses together with results which have been derived by logical reasoning. The material in this course is necessary for work in later courses and develops the students' skills and abilities to work effectively in this field. It is hoped that this will be accomplished in a manner so that the student's interest in mathematics will be enlivened.

313 Trigonometry/Algebra III - Honors — 2 Semesters (continuous full-year program) — 1 Credit — Grade 11
Recommended Prerequisites: Tenth grade Honors Geometry teacher recommendation
Curriculum: C.P. Weighted grade. Final grade of B or better provides automatic placement in the next course in the series.

Trigonometry-Algebra III is a prerequisite for calculus. The trigonometry portion of this course is basically built around the six basic trigonometric functions: sine, cosine, tangent, secant, cosecant, and cotangent functions. The functions are defined both from previously learned algebraic and geometric concepts. These functions allow the student to solve various problems including angles and sides of triangles which would prove quite difficult by either algebraic or geometric methods alone.

The algebra portion of this course is designed to introduce the students to the nature of algebra as a logical system. The student is made aware of the detail by rigorous discussion in set notation, order axioms, inequalities and coordinate systems as related to the study of equations, the concepts of functions and relations, the theoretical parts of logarithms, mathematical inductions and the approach, by means of ordered pairs, to the study of complex numbers. It is desired that the students realize precise definitions are important, that explicit hypotheses are necessary and that any system of mathematics consists of definitions and hypotheses together with results which have been derived by logical reasoning. The material in this course is necessary for work in later courses and develops the students' skills and abilities to work effectively in this field. It is hoped that this will be accomplished in a manner so that the student's interest in mathematics will be enlivened.

314 Trigonometry - G/HP — 1 Semester — .5 Credit — Grade 11
Algebra III - G/HP — 1 Semester — .5 Credit — Grade 11
Prerequisites: Tenth grade gifted/high potential geometry teacher recommendation
Curriculum: C.P. Final grade of C or better provides automatic placement in the next course in the series.

The content of these courses is the same as that of the C.P. Trigonometry-Algebra III courses. However, activities and resources that require higher level thinking skills and some differentiated content are used to challenge the capabilities of these students.

316 General Mathematics III — 2 Semesters — 1 Credit — Grade 11
Recommended Prerequisites: General Mathematics II
Curriculum: Gen.

The General Mathematics III course helps students apply mathematics to real-life settings. Problems are given to relate to and solve. Material covered consists of: functions and graphs, probability, and algebra.

321 Calculus - Honors 2 Semesters 1 Credit Grade 12
Prerequisites: 10th grade Honors Geometry, 11th grade honors Trigonometry/Algebra III teacher recommendations
Curriculum: C.P. Weighted grade

This course is geared to the advanced student in mathematics. Basically, the course is for the student who will encounter higher mathematics in college work in specialized fields such as engineering, science and mathematics. Material found in the course includes differential integral calculus, a review of analytical geometry related to calculus and differential equations. Students are introduced to a functional concept as a way of reaching the differential and integral calculus. In addition to the basic calculus course content, additional concepts relating to integration and polar coordinates will also be presented.

323 Analytical Geometry and Calculus 2 Semesters 1 Credit Grade 12
Recommended Prerequisites: Algebra I, II, Geometry, Trigonometry, Algebra III
Curriculum: C.P. Accelerated content

The course is geared to the advanced student in mathematics. Basically, the course is for the student who will encounter higher mathematics in college work in specialized fields such as engineering, science, and mathematics. Material found in the course includes differential integral calculus, analytic geometry and differential equations. Students are introduced to a functional concept as a way of reaching the differential and integral calculus. The students accomplish what would be considered a traditional differential and integral calculus course with overtones in analytic geometry.

326 General Mathematics IV 2 Semesters 1 Credit Grade 12
Recommended Prerequisites: General Mathematics III
Curriculum: Gen.

Twelfth-grade mathematics includes the use of computing devices, equations and formulas, elementary sequences, graphs, a deductive approach to reason, and mathematical skills needed to solve problems in everyday living.

331 General Computer Mathematics 1 Semester .5 Credit Grades 11, 12
Recommended Prerequisites: General Mathematics II or Business mathematics
Curriculum: B.E., Gen.

General Computer Mathematics deals with programming in the BASIC language through the use of applications dealing with society. This is accomplished by first presenting the terminology and the basic structure of computer software and hardware. Then the major constructs of BASIC language programming are introduced. Programs are run on microcomputers.

332 Computer Programming I 1 Semester .5 Credit Grades 10, 11, 12
Recommended Prerequisites: Algebra II
Curriculum: C.P.

Computer Programming I is an introduction to programming using the BASIC language. The course will involve fundamentals of programs that demonstrate uses of the computer in society today. This course will provide a more rigorous approach to the study of computers than 331 General Computer Mathematics.

333 Computer Programming II 1 Semester .5 Credit Grades 11, 12
Recommended Prerequisites: Computer Programming I
Curriculum: C.P.

A second computer programming course is offered to students who have completed the first level Computer course. The course includes BASIC programming using the 64 graphics characters, 160 special characters, and special functions offered via video display screen. The course presents both the similarities and differences between writing programs in the BASIC and FORTRAN IV languages. Students will analyze problems, write programs, and then run these programs on microcomputers.

334 Statistics 1 Semester .5 Credit Grade 12
Recommended Prerequisites: Algebra I, II
Curriculum: C.P.

Statistics is a one-semester course on the science which deals with the collection, classification, and use of numerical facts or data bearing on a subject or matter. Students are also introduced to various topics in probability. This course would be beneficial for those students who are anticipating a career in business, economics, or the social sciences as well as the students of mathematics.

335 Pascal 1 Semester .5 Credit Grades 12
Recommended Prerequisites: Computer Programming I
Curriculum: C.P.

A course offered to students who have completed Computer Programming I. Pascal emphasizes the aspects of structured programming. A student considering a career in programming should consider enrolling in this course.

744 Band 2 Semesters 1 Credit Grades 10, 11, 12
Recommended Prerequisites: Reference from Jr. High School band director or an audition for new students

Curriculum: All

Instrumental music students on all levels participate in the band classes and band rehearsals a minimum of four periods per week. During class the students study the band literature being rehearsed in marching band or concert band, organize and participate in small ensembles, study instrumental techniques pertaining to their instrument, and study a minimum of one solo per rating period (9 weeks). Band rehearsal involves all students in the current music being prepared for performance. Depending upon the student's individual schedule, he/she will be assigned to two band classes and two band rehearsals per week. The part the student plays in marching or concert band will depend upon the individual's level of proficiency not the grade level of the student.

The following small ensembles are organized when scheduling of the necessary instruments permits:

Woodwind Quintet	Flute Ensembles	Percussion Ensembles
Clarinet Choir	Brass Ensembles	Saxophone Ensembles

Stage band is a specialized ensemble open to students who successfully audition with the director. This ensemble meets two additional periods per week and receives .5 credit.

The following are the large ensemble groups available to the students:

Marching Band	Concert Band	Stage Band

Ensembles open to select students through area auditions include:

District Band	District Orchestra	County Band

Lehigh Valley Youth Orchestra (Lehigh University)

The large ensembles have two rehearsals during school and some after school as the season dictates. Marching Band also rehearses two weeks prior to the opening of school from 8:00 A.M. until noon, Monday through Friday.

Students may elect to study Instrumental Music Theory by arrangement with the instructor.

744 Instrumental Music Theory, Level I 2 Semesters .5 Credit Grades 10, 11, 12
Recommended Prerequisites: Completion of Jr. High School Elective Music: performing ability on an instrument, must be scheduled with instructor.

Curriculum: All

Students become familiar with musical terminology, learn how to write musical manuscript, listen to and construct all of the major and relative minor scale forms, listen to and construct diatonic intervals, and listen to and construct the primary and secondary triads. In the second semester the student will learn to write melodies and learn to construct and use the I, IV, V^7, I chord progression in conjunction with the writing of melodies. Transposition by syllables and intervals will also be accomplished.

744 Instrumental Music Theory, Level II 2 Semesters .5 Credit Grades 11, 12
Recommended Prerequisites: Course 744, Level I, must be scheduled with instructor.

Curriculum: All

Students learn to transpose music from the piano score or concert pitch into the related key of each particular instrument. This knowledge is then applied to writing for the various instrumental families and finally for the entire band. The student will learn the use of auxiliary tones--passing, neighboring, anticipation, and suspension--and study the inversions of primary and secondary chords, including the figured bass markings. The use of the dominant 9th chord and the diminished 7th chord will also be learned.

Students will study band literature being rehearsed, small ensemble music, and solo literature that is compatible with their ability. Students are also encouraged to learn a secondary instrument. Fundamentals of conducting are also presented to the students.

744 Instrumental Music Theory, Level III 2 Semesters .5 Credit Grade 12
Recommended Prerequisites: Course 744, Level II, must be scheduled with instructor.

Curriculum: All

Students will begin the formal study of four part music theory and continue their efforts with orchestration. They are also encouraged to pursue creative writing. Student leadership in small ensembles is encouraged, as is the use of conducting techniques. Students are also encouraged to learn secondary instruments.

Counseling is offered to the students with reference to any post-graduate plans they may have in the music field.

745 Vocal Music/Theory, Level I 2 Semesters .5 Credit Grades 10, 11, 12
Recommended Prerequisites: Music reading ability, must be scheduled with instructor.

Curriculum: All

The course will provide the student an opportunity to develop sound musicianship through individualized instruction and ensemble participation. The student's rate of progress is determined both by ability and by previous musical experience. Level I provides a concentration on basic guidance and technique of vocal production, with beginning sight reading, theory, and ear-training adapted to the student's level of ability. The student is also required to perform two solos per semester for the critical examination of classmates.

745 Vocal Music/Theory, Level II 2 Semesters .5 Credit Grades 11, 12
Recommended Prerequisites: Level I Vocal Music/Theory, must be scheduled with instructor.
Curriculum: All

The course will enable the student to further musicianship through individualized instruction and ensemble participation. Level II provides a general review and reinforcement of basic vocal techniques studied in Level I. In addition, emphasis on articulation, vowel and consonant production, legato and sostenuto style are introduced. Sight-reading includes exercises from the textbook and four-part hymns and chorales. Theory for the vocal student involves harmonizing with chords, melody writing, and part writing. Rhythmic, melodic, and harmonic dictation are given for ear training study. Each student performs two solos per semester for the critical examination of classmates.

745 Vocal Music/Theory, Level III 2 Semesters .5 Credit Grade 12
Recommended Prerequisites: Level II Vocal Music/Theory, must be scheduled with instructor.
Curriculum: All

The course is designed for concentration in various areas of music relating to the serious vocal student. In vocal procedures, emphasis is placed on extending both range and dynamics; use of foreign languages and memorization are also introduced. In sight-reading students are required to read melodies with both step-wise and interval movement. The theory for a Level III vocal student involves four-part writing and modulation. The student is required to perform two solos per semester for the critical examination of classmates. Participation in ensemble singing is also required for increased vocal independence. The Level III vocal student also serves as a student teacher, aiding those who are of Level I or II of vocal study. Individualized instruction permits the course to be adapted to meet each student's particular need.

745 Chorus 2 Semesters 1 Credit Grades 10, 11, 12
Recommended Prerequisites: Reference from Jr. High School choral director, or audition for new students; ability to match tones and/or music reading ability.
Curriculum: All

All levels of choral students participate in vocal classes and chorus rehearsals a minimum of four periods per week. During class the student is provided an opportunity to develop the singing voice and to enhance the knowledge of musical principles as applied to choral singing. Guidance is given in the basic techniques of vocal production. Additional sight-reading, theory, and ear-training is adapted to the student's level of ability as needed. Utilization of the choral library, especially music currently being rehearsed in the performing choral groups, provides the student with a variety of ensemble singing. Students also perform solo material each semester for the specialized vocal techniques involved and for the critical examination of classmates.

Chorus rehearsal involves all students in the current music being prepared for performance. Depending upon their individual schedule, students are assigned to two vocal classes and two chorus rehearsals per week.

Specialized ensemble groups open to students who successfully audition with the director are: Parkland Singers Unlimited and the Women's Ensemble. These performing groups meet two additional periods per week and receive .5 credit.

Large choral groups open to select students through area auditions include:
Lehigh County Chorus District Chorus Regional Chorus

The full mixed chorus has two rehearsals per week during school and one rehearsal scheduled per week after school as performances dictate. Small ensemble groups each rehearse once per week during school and once per week before or after regular school hours.

Students may elect to study Vocal Music Theory by arrangement with the instructor.

747 Piano 1 or 2 Semesters Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All

Piano Class meets once per week, with one additional practice period scheduled. Students participating in Piano Class will at its conclusion be able to accompany themselves at the piano in a variety of styles. The keyboard experience will include a working knowledge of I, IV, and V^7 chords in the keys of C, F, and G, meter signatures, music notation for whole, half, quarter, eight, and sixteenth units of time. The student will demonstrate a functional ability to use the elements of music in good keyboard performance. The student will also demonstrate adequate motor skill development through the performance of a variety of repertoire. The Wurlitzer electronic keyboard lab facilities will be used for both individualized and group instruction.

Students with piano proficiency who are interested in further study should also select this course. Optional advanced piano activities for students with piano proficiency include multi-key reading from selected familiar music, theory exercises, and keyboard harmony studies which emphasize playing from lead sheets.

755 Elementary Guitar — 2 Semesters — Grades 10, 11, 12
Recommended Prerequisites: Elementary knowledge of music
Curriculum: All

The elementary guitar course provides the student with the opportunity of understanding the basic techniques of learning to read guitar music and guitar chords. The student will be able to strum the major and minor chords found in most traditional songs and also be able to read the notes found in the first-hand position on all strings.

756 Pop Piano — 1 Semester — Grades 10, 11, 12
Recommended Prerequisites: Rudimentary knowledge of keyboard in both clefs.
Curriculum: All - O, S, U grading

Pop Piano is a one semester class which meets once per week, with one additional practice period scheduled. Students are taught jazz, rock, pop, and blues styles of piano playing and are guided in improvisional techniques within these styles.

757 Music - Advanced Placement — 2 Semesters — 1 Credit — Grades 11, 12
Recommended Prerequisites: Invitation based on IQ, standardized test information, teacher evaluation, grade of B or better in English, strong interest and theory background in subject area.
Curriculum: C.P. Weighted Grade

Students spend much of class time developing perceptive listening of music literature. Intensive study of structure and style of musical composition, score reading, and understanding of the social and historical context of music making are featured. Outside listening assignments are required, as are attendance at live concerts. Several short papers, as well as one major paper on a music subject as approved by instructor are also required. Students are encouraged to take the AP exam in May as indication of placement score from nationwide grading. Those who have deficiencies in Theory may correct them through individualized programmed study texts during the first semester, thus maintaining a level of knowledge needed for satisfactory completion of course.

015 Health — 2 Semesters — .25 Credit — Grade 11
Recommended Prerequisites: Junior high Health
Curriculum: All

Health education meets twice weekly and is presented in two types of instruction: (1) large group instruction utilizing lecturers, guest speakers, films, filmstrips, and panel discussions, and (2) small group instruction utilizing teacher lecture, overhead transparencies, filmstrips, group discussion, and class projects. The course deals with such topics as first aid (including CPR), human growth and development, drugs, alcohol, tobacco, and consumer health education.

001 Physical Education — 2 Semesters — .25 Credit — Grade 10
Recommended Prerequisites: Ninth-grade Physical Education
Curriculum: All

All tenth-grade students are required to be enrolled in two physical education classes each week. One period includes a variety of physical education activities and swimming is assigned to the second period.

021 Physical Education-Selective Elective — 2 Semesters — .25 Credit — Grades 11, 12
Recommended Prerequisites: Tenth-grade Physical Education
Curriculum: All

The senior high school physical education program in grades 11 and 12 is a series of activities designed to allow the student to select an individual, team, or life-time sport and specialize in that program. Activities are offered for 9-week modules.

030 Adapted Physical Education — 2 Semesters — .25 Credit — Grades 10, 11, 12
Recommended Prerequisites:
Curriculum: All

The adapted program in the Parkland School District contains a modified phase, which includes students who are unable to participate in regular physical education classes because of illness or injury and a remedial phase which includes students with conditions that may be improved or corrected through specific exercise programs.

This program is available to all students grades 7-12 on a permanent or temporary basis upon the recommendations of (1) school or family physician, (2) parents, (3) school. Students remain in the program only as long as they benefit from personalized instruction and have a physician's recommendation.

032 Lifesaving — 1 Semester — .5 Credit — Grades 11, 12
Recommended Prerequisites: Be able to swim 880 yards using freestyle, side, and breast stroke
Curriculum: All

This course deals with lifesaving skills such as rescue strokes, mouth-to-mouth resuscitation, boat safety, and water safety. Students, if qualified, may receive Red Cross Advanced Lifesaving Certification.

033 Athletics and Society — 1 Semester — .5 Credit — Grades 11, 12
Recommended Prerequisites:
Curriculum: All

This elective course deals with the historical and social aspects of athletics. Students are expected to develop knowledge and skills in certain lifetime sports.

034 Aquatic Assistant Program — 1 Semester — Grades 11, 12
Recommended Prerequisites:
A. Advanced Swimmer/Swimmer/or Intermediate Certification
B. Outstanding Work in Sophomore Swimming Course
C. Permission of Instructor
Curriculum: All

Aquatic assistants are screened and assigned to one instructional class per week. Each assistant is responsible for a group of beginner level students. Through the aid of the instructor the assistant learns the job of the instructor, logical teaching progressions, the ability to correct mistakes, and the many other elements involved in the acquiscense of swimming skill. The assistant is completely responsible for the progression of his/her students through the beginner course. Any problems encountered by the assistant during the presentation of his/her lesson material is discussed with the instructor. The aquatic assistant program also includes competence in water safety assistance, synchronized swimming aid, and water sport officiating.

036 Care and Prevention of Athletic Injuries 1 Semester .5 Credit Grades 11, 12
Recommended Prerequisites:
Curriculum: All

This course is an analysis of general and athletic injuries and the care taken of those injuries. Anatomical study of the most commonly injuried areas of the body will be an intricate part of the course. Diagnosis and evaluation of all injuries and the care required of those injuries will be presented in both lecture and laboratory classroom form. The students will experience a pragmatic, "hands-on" method of learning. Guest lectures, films, X-rays, etc. will comprise the teaching-learning situation.

Those students considering a profession in or relating to the health services fields will be given primary consideration in course selection. Any student interested in working as a student trainer shall be urged to participate in this course.

*** Physical Education Student Assistants 1 pd. per wk. all year Grades 11, 12
Recommended Prerequisites: Recommendation of previous year physical education teacher
Curriculum: All

The program is designed to help the teacher in charge provide additional assistance to the students. The student assistant elects 1 extra physical education class and signs a "contract" for this class. The teacher and parent also sign this contract. The student is responsible for: (a) learning the fundamentals of the activity in session, (b) helping others, (c) having and reflecting a positive attitude toward physical education and (d) assisting in getting equipment.

400 Biology - **Advanced Placement** 2 Semesters 1 Credit Grade 10
Prerequisites: Invitation based on IQ, standardized test information, teacher evaluation
Curriculum: C.P. Weighted grade. Final grade of B or better provides automatic placement in the next course in the series.

This course is designed to meet the objectives of most general biology courses at the college level. The content is more technical and the pace faster than the other nonelective biology courses. Students will have the option of taking the Advancement Placement Test at end of the year. Emphasis is placed on the following topics: biochemistry, cellular biology, anatomy and physiology of plants and animals, ecology, heredity, and evolution. Extra readings are required.

401 Biology - G/HP 2 Semesters 1 Credit Grade 10
Prerequisites: Invitation to gifted students; high potential student invitation based on IQ, standardized test information and teacher evaluation.
Curriculum: C.P. Final grade of C or better provides automatic placement in the next course in the series.

The content of this course is the same as that of the C.P. Biology course. However, activities and resources that require higher level thinking skills and some differentiated content are used to challenge the capabilities of these students.

402 Biology - C.P. 2 Semesters 1 Credit Grade 10
Recommended Prerequisites: Ninth-grade Science
Curriculum: C.P.

The course is designed to orient the student to an ecological awareness of the environment to prepare him/her for his/her adult life as a creature of nature. Emphasis is placed upon investigations in the classroom and in the outdoor environmental laboratory. Discussion guided by scientific inquiry and problem solving is the basis for the course. The areas of concentration involve ecological relationships, taxonomy, genetics, and anatomy and physiology of protists, plants, and animals.

404 Biology - B.E., Gen. 2 Semesters 1 Credit Grade 10
Recommended Prerequisites: Ninth-grade Science
Curriculum: B.E., Gen.

The course emphasizes the ecological approach to the study of life. Lab exercises are designed to support this approach. The outdoor laboratory is used for this purpose. Dissection of various organisms provides students with an awareness of the animals in their environment and some knowledge about the human body. The areas of emphasis involve ecological relationships, taxonomy, genetics, anatomy, and physiology of protists, plants, and animals.

407 Biology - V.T. 2 Semesters 1 Credit Grade 11
Recommended Prerequisites: Ninth-grade Science
Curriculum: V.T.

General Biology revolves around the principle that all students have a practical working knowledge of the living things in their environment. Discussion, experimentation, dissection, and activities involving the use of the environmental laboratory are employed to enhance the text. Areas covered are: an introduction - includes characteristics, classification, units of life, and their importance to the study of living things; protists, plant life, structures and their functions in animals (including man); genetics, history of living things, ecology of living things.

410 Chemistry - Honors 2 Semesters 1 Credit Grade 11
Prerequisites: Tenth grade Honors Biology teacher recommendation

Curriculum: C.P. Weighted grade. Final grade of B or better provides automatic placement in the next course in the series.

This laboratory-oriented course is designed for students planning a career in the sciences and for students desiring a strong background in chemistry. A solid math foundation is necessary to participate in this theoretically oriented, in-depth study of selected topics. Students completing this course have the option to register for the advanced chemistry inorganic and organic electives.

411 Chemistry - G/HP 2 Semesters 1 Credit Grade 11
Prerequisites - Tenth Grade gifted/high potential Biology teacher recommendation
Curriculum: C.P. Final grade of C or better provides automatic placement in the next course in the series.

The content of this course is the same as that of the C.P. Chemistry course. However, activities and resources that require higher level thinking skills and some differentiated content are used to challenge the capabilities of these students.

41[illegible] Chemistry - C.P. 2 Semesters 1 Credit Grade 11, 12
Prerequisites: Grade of C or better in all math courses through Algebra II and Biology
Curriculum: C.P.

This laboratory-oriented course is designed for students whose career plans suggest or require a chemistry course with less emphasis placed upon theory and more upon application. A basic math background is required of students participating in this course which will provide a foundation in chemistry through the study of fundamental topics.

413 Physical Science 2 Semesters 1 Credit Grades 11, 12
Recommended Prerequisites: Algebra I, Biology
Curriculum: All

This course is designed for students who desire additional preparation in the physical sciences. The course will contain a survey of topics in chemistry and other science areas which will then be related to current problems of energy, environment, and space.

416 General Science III 2 Semesters 1 Credit Grade 11
Recommended Prerequisites: Biology
Curriculum: Gen.

A course in practical or applied science including project and theory work on: internal combustion engines, electricity and electronics, leathermaking, survival skills, gardening, construction work in the environmental lab and assorted hobbies.

421 Physics - G/HP 2 Semesters 1 Credit Grade 12
Prerequisites: Final grade of C or better in Trigonometry/Algebra III. Should also take Calculus
Curriculum: C.P.

The content of this course is the same as that of the C.P. Physics course. However, activities and resources that require higher level thinking skills and some differentiated content are used to challenge the capabilities of these students.

422 Physics 2 Semesters 1 Credit Grade 12
Recommended Prerequisites: Algebra II, Geometry
Curriculum: C.P.

This course covers topics in classical physics and modern physics. It deals with an introduction to physics, mathematics, mechanics, thermodynamics and electromagnetism.

431 Advanced Biology 1 Semester .5 Credit Grade 12
Recommended Prerequisites: Biology (no less than a final grade of C)
Algebra I; interested in a biology-related career
Curriculum: All

The framework of the course will be laboratory-oriented to emphasize lab procedure and analysis of experimental data. Topic areas to be considered are statistical evaluation of data, bacteriology, anatomy, physiology, genetics, and population dynamics. A review of the works of noted researchers and current literature will be included in the course. Students will also be responsible for one independent research project.

433 Advanced Chemistry (Inorganic/Organic) - Honors 2 Semesters 1 Credit Grade 12
Prerequisites: Chemistry - Final grade of B or better
Curriculum: C.P. Weighted grade

A laboratory-oriented course for those students contemplating majoring in science in the college or university level. In the first semester topics include equilibrium, solubility product constants, acid-base theories, co-ordination compounds and complex ions. During the second semester the content provides for an introduction to organic chemistry. Topics included are structures and properties or organic molecules, alkanes, aldenes, alkynes, dienes, and alicyclic hydrocarbons.

437 Anatomy and Physiology 1 Semester .5 Credit Grades 11, 12
Recommended Prerequisites: Grade of B or better in Biology, teacher recommendation
Curriculum: C.P.

This is an integrated course in anatomy and physiology emphasizing the structures and functions of the human body. The structure, physiology, and interrelationships of organs and organ systems of the body are studied. Course content is designed for those students considering a profession in or relating to the allied health fields.

200 American History - Honors 2 Semesters 1 Credit Grade 10
Prerequisites: Invitation, based on IQ standardized test information, teacher evaluation, and interest in and enthusiasm about the subject.
Curriculum: C.P. Weighted Grade Final grade of B or better provides automatic placement in the next course in the series

This course will focus on the topics as described in our current U.S. History II curriculum guide. However, certain topics will be presented in greater detail with appropriate written and objective tests. There will be an increased emphasis on writing in this course. Certain topics from U.S. History I may also be reviewed in-depth.

Eventually, the course should expand to coverage of all of American History (U.S. History I and U.S. History II), and should prepare students not only with a strong background in this area but also for the AP American History test.

201 U.S. History II - G/HP 2 Semesters 1 Credit Grade 10
Prerequisites: Invitiation to gifted students; high potential student invitation based on IQ, standardized test information and teacher evaluation.
Curriculum: C.P. Final grade of C or better provides automatic placement in the next course in the series.

The content of this course is the same as that of the C.P. U.S. History II course. However, activities and resources that require higher level thinking skills and some differentiated content are used to challenge the capabilities of these students.

202 U.S. History II 2 Semesters 1 Credit Grade 10
204 Recommended Prerequisites: U.S. History I
Curriculum: 202-C.P.; 204-B.E., Gen., V.T.

This course is the second of a two year course in U.S. History. Chronologically, the course begins with the year 1877 and proceeds to the present. It is our hope that students will gain an understanding of how the nation was transformed into an industrial power and the impact of this change on the social, cultural, economic, and political development of our society. The second major thrust of the course traces the Foreign Policy of the U.S. from isolation to that of a world power.

209 Modern European History - G/HP 2 Semesters 1 Credit Grade 11
Prerequisites: Tenth grade gifted/high potential U.S. History II teacher recommendation
Curriculum: C.P. Final grade of C or better provides automatic placement in the next course in the series.

The content of this course is the same as that of the C.P. Modern European History course. However, activities and resources that require higher level thinking skills and some differentiated content are used to challenge the capabilities of these students.

210 Modern European History 1 Semester .5 Credit Grade 11
Recommended Prerequisites: U.S. Hisotry II
Curriculum: C.P.

Modern European History course surveys the development of current political, social, and economic institutions originating out of the English and French Revolutions, industrialism of the 19th century and two World Wars. Imperialism and nationalism are explored as a reason for spreading European ideals throughout the world and as a cause for international tensions and conflicts.

210 The Far East - C.P. 1 Semester .5 Credit Grade 11
213 Recommended Prerequisites: United States History II
Curriculum: C.P.

The Far East is designed to foster an understanding of China, Japan, and Korea. In each area attempts are made to impart understanding of the political, social, and economic institutions present, emphasizing their creation and the interrelationships of each in a global setting. Particular attention is given to the influence of China's cultural heritage upon her present history and the role of the Communist Party and its leaders upon the everyday life of her people and the world in general.

210 Middle East - C.P. 1 Semester .5 Credit Grade 11
214 Recommended Prerequisites: U.S. History II
Curriculum: C.P.

The study of the Middle East begins with a synopsis of the land and people, together with a historical review. Islam and Judaism are placed in their historical context. Considerable attention is given to contemporary Middle East society, culture, and economic development. A major purpose of the course is study and understanding of the Middle East in its world setting, i.e., international relations.

210 U.S.S.R. & E. Europe - C.P. 1 Semester .5 Credit Grade 11
215 Recommended Prerequisites: U.S. History II
Curriculum: C.P.

The Soviet Union portion of the course begins with a synopsis of the geography of the country and the ethnic makeup of the population. The historical development of the Russian state is reviewed. Some attention is given to the development and application of communist theory to Russia. The bulk of the course is devoted to the government and economy of the Soviet Union, to current culture and society in the U.S.S.R., and to the U.S.S.R. in its world setting.

Eastern European nations, that is, nations of the Warsaw Pact, are studied, with special emphasis on land and people, historical review, culture and society, and international relations.

216 World Cultures 2 Semesters 1 Credit Grade 11
Recommended Prerequisites: U.S. History II
Curriculum: B.E., Gen., V.T.

The Modern World approaches the cultural areas of the world, first, from a historical perspective. The modern European nations are studies from the time of the French Revolution up to the Modern Era. Included with Europe is the Soviet Union, to include the Tsarist background, the coming of the Bolsheviks, and the evolution of the modern U.S.S.R.

Selected non-Western cultures are explored. The emphasis is on the cultures as they are today, but the present is informed by a study of history. The cultural areas studied feature emphasis on cultural life of the people, the current political organization, the economic institutions of the cultural areas, and the cultural areas viewed from the perspective of late 20th Century world politics.

221 Economics - G/HP 1 Semester .5 Credit Grade 12
221 Government - G/HP 1 Semester .5 Credit Grade 12
Prerequisites: Eleventh-grade gifted/high potential Modern European History teacher recommendation, eleventh-grade Algebra III teacher recommendation
Curriculum: C.P.

The content of these courses is the same as that of the C.P. Economics-Government courses. However, activities and resources that require higher level thinking skills and some differentiated content are used to challenge the capabilities of these students.

222 Economics 1 Semester .5 Credit Grade 12
Recommended Prerequisites: World Cultures
Curriculum: C.P.

Economics is the study of the allocation of scarce resources by society, and the political, economic, and social choices which that allocation implies. We study the capability of society to produce goods and the markets used for distribution of those goods. The overall level of national prosperity--the Gross National Produce--is analyzed. The processes of economic growth and price inflation are analyzed. Finally, we inquire into the shortcomings of economic society: poverty, waste of talents and other resources, sluggish growth, unemployment.

222 American Government 1 Semester .5 Credit Grade 12
Recommended Prerequisites: Eleventh-grade Social Studies
Curriculum: C.P., V.T.

The areas studied in this course are mostly of the national government due to the limitations of one semester. The government areas studied are:

1. The nature of democracy and the challenges to democracy;
2. The origins of the United States Constitution;
3. The development of the United States Constitution - Federalism, Separation of Powers, Amendments;
4. The Judicial Process - Civil Rights, Civil Liberties, Court Cases, the American Federal Judiciary;
5. The Presidency - Election, Duties, Powers;
6. The Congress - Composition, Organization, Functions, How a Bill Becomes a Law, the Committee System.

Throughout these areas, the United States Constitution is included when it applies.

224 American Government 1 Semester .5 Credit Grade 12
Recommended Prerequisites: Eleventh-grade Social Studies
Curriculum: B.E., Gen., V.T.

The twelfth-grade course is designed to give the students a basic knowledge of United States and world governments. It is designed primarily to instruct them on the workings of the United States Federal System. It is hoped that a knowledge of the Presidency, Congress, and Judicial Systems will make them a better member of the electorate.

224 Sociology 1 Semester .5 Credit Grade 12
Recommended Prerequisites: Eleventh-grade Social Studies
Curriculum: B.E., Gen., V.T.

The course in sociology examines the study of man in his relationship to human groups and institutions. It involves learning about relationships within the group, such as our class, relationships in social institutions, such as the family; and the organization of societies, such as our own. Sociology also deals with the study of personality, human behavior, and social problems.

232 International Relations 1 Semester .5 Credit Grades 11, 12
Recommended Prerequisites: U.S. History II
Curriculum: C.P.

This course investigates international relations emphasizing our contemporary age. It examines the fundamental factors involved in understanding international relationships including such concept factors as The Nation-State, Power, Nationalism, National Interests, Foreign Policies, Diplomacy, Political Warfare and Intelligence, Warfare, Control of International Conflicts and Balance of Power. The course also acquaints the student with the rudimentary Institutions of the International System. These include International Law, Regional and Global Organizations, and the International Economy. In addition, international problems that are currently taxing the international system are presented and assessed.

234 Sociology - C.P. 1 Semester .5 Credit Grade 12
Recommended Prerequisites: Eleventh-grade Social Studies
Curriculum: All

The course is designed to acquaint the student with the rudiments of what constitutes human relations. This is accomplished through an examination of what is culture, how the individual absorbs it and relates to it, the purpose of social institutions, and the real problems that arise from the socialization process. Students are encouraged to observe societal activity and make objective evaluations relating to specific aspects of American culture.

235 General Psychology 1 Semester .5 Credit Grades 11, 12
Recommended Prerequisites:
Curriculum: C.P.

The course deals with the science of behavior. In order to understand why individuals act as they do, the student is introduced to the biological and environmental reasons for personal activity and the bases and methods used by psychologists to categorize and explain behavior. To gain the necessary insight into one's behavior, the subject matter will include the processes of perception, heredity, conditioned learning, motivation, and human maturation. Intra-psychic theories of personality and the interaction on one with society will also be explored.

236 U.S. Since World War II 1 Semester .5 Credit Grades 11, 12
Recommended Prerequisites: Tenth-grade U.S. History
Curriculum: All

U.S. Since World War II is an exploration of American society, culture, and politics from the presidency of Harry S. Truman to the time of the current administration. We will trace the politics of the late 1940's through the 1970's, exploring the ways that politics related to society and culture. Overall, we will attempt to compare and contrast our nation today with its Post-World War II origins.

Other Offerings

961 Elementary Teacher Aide Program (ETAP) 1 Semester 1 Credit Grade 12
Recommended Prerequisites:
Curriculum: C.P.

This one semester program is designed for senior students who are seriously considering a career in elementary education or special education. The students serve in the capacity of a teacher's aide in one of the special education classes or in a special interest area in a primary class. Supervision is supplied by certified elementary or special education teachers through in-class demonstrations of teaching techniques and out-of-class consultation. Limited enrollment.

962 Community Learning Experience for Gifted Time varies Credit varies Grades 11, 12
Recommended Prerequisites: Identified gifted student, demonstrate appropriate academic achievement
Curriculum: All

This program for gifted students is designed to provide enrichment activities outside the school setting that are based on individual student interest. Each student's program is developed jointly by the student and the community sponsor. Students are released during the school day, however they are responsible for school work presented during their absence. Students who qualify for this program will be contacted by the I.E.P. coordinator. Parental permission is required.

963 Library Media Aide 1 Semester Credit varies Grades 11, 12
Recommended Prerequisites: Teacher recommendation
Curriculum: All

This program provides a student with the practical knowledge of a functioning library media center. The student serves under the supervision of the library media specialist. Library media aides perform clerical and secretarial tasks. Examples of these tasks are: assisting at the circulation desk, reading shelves, filing, graphic production, typing, maintaining records, and distributing audiovisual materials. Enrollment is limited.

VOCATIONAL-TECHNICAL PROGRAM
1984-1985

NOTE: The 1985-86 Vocational-Technical Program was not available at the time this book was published. If you are interested in this program, contact your guidance councelor.

In 1978 the Lehigh County Vocational-Technical School instituted a new concept in vocational education - the Multi-Occupational Experiences (MOE) Program. This concept required a student, usually in tenth grade, to rotate through seven or eight mini-experiences in the hope of gaining a better understanding of a program before committing themselves to a two year (grades 11 and 12) speciality program.

However, because of changes in enrollment patterns and the changes in the labor market, especially in the Lehigh County area, the MOE program will be modified for the 1984-1985 school term.

Instead of the previously mentioned rotation plan, students will rotate through four (4) areas, each 45 days long or the equivalent of one marking period. Students will have a choice in the selection of labs or areas; however, due to the popularity of some programs, alternate related programs may need to be assigned based on home school counselor recommendations.

At the end of the MOE year of exploration, students may select a speciality area in which to concentrate for one or two years.

Programs to be offered in the MOE Program for the 1984-1985 year are as follows: (all 45 days in length)

a. Carpentry/Cabinetmaking
b. Electrical Trades
c. Masonry
d. Agriculture/Horticulture
e. Food Production and Services
f. Material Handling Systems
g. Computer Systems
h. Commercial Art
i. Drafting Technologies
j. Graphic Arts
k. Environmental Systems
l. Electronic Technologies
m. Machine Trades
n. Sheet Metal/Welding
o. Auto Body Repair and Painting
p. Gas/Diesel Mechanics
q. Equipment Mechanics
r. Introduction to Health Occupations
s. *Cosmetology - available as an exploratory experience for the first semester only

Fashion Industries and Marketing/Distributive Education are offered as three-year programs. Students may elect to go directly into these programs in tenth grade, or they may wish to spend forty-five (45) days in them.

*Students who elect Cosmetology, may get 2.5 years of it commencing the second semester of tenth grade.

MULTI-OCCUPATIONAL EXPERIENCES (MOE)

NOTE: Each MOE course is forty-five (45) days in length and is open to both males and females, unless otherwise noted to the right of the course title.

*** Agriculture/Horticulture

This curriculum offers exploratory training in agriculture and horticulture, of which floriculture is one segment.

Students will receive a safety orientation as well as an introduction to the Future Farmers of America Organization, of which LCVTS has a chapter. Basic animal handling skills, animal health practices, soil testing, tractor driving, and raising poultry will be experienced.

The horticulture-floriculture segment of the course deals with the relationships of soil and fertilizer, watering, soil texture and structure, and weed control. Students will have experiences working with flowers and decorative materials.

*** Auto Body Repair and Painting

The student will be given a lab safety lesson before being allowed to work in the lab area. A familiarity and basic usage of metal straightening tools (hammers, dolly blocks, spoons, body flies, miscellaneous tools) will be experienced.

Because welding is such an important part of auto body, the student will become familiar with basic welding terminology, as well as experiencing some welding of body sheet metal, brazing and cutting with the torch.

In addition to becoming familiar with the various phases of metal forming, the student will learn about and use body fillers, in addition to refinishing equipment and procedures (spray booth, surface preparation, abrasives, solvents, undercoats, and masking).

In the final phase of the course, how to write a collision estimate is covered. Each student will have the opportunity to remove, reinstall, and adjust a door or similar panel.

*** Carpentry/Cabinetmaking

The Carpentry curriculum offers exploratory training in Carpentry and Cabinetmaking.

The student will receive a thorough safety orientation which will include proper usage of tools and machinery in the lab.

The student will be introduced to hand, power, and machine tools. Some of these are for tooth cutting, sharp edging, boring, prying, and measuring. Other machinery to be used are the tilt arbor and radial arm saw, the jointer, and planer.

Some other areas to be studied are materials (wood, hardware); and selecting and using lumber, plywood, bonded materials, adhesives, and hardware.

In basic construction carpentry, the student will study the principals of rough framing, building and laying out sills, plate layout, and trim work.

The basics of floor, roof, and wall systems will be also studied in a general sense.

*** Commercial Art

Commercial Art and Advertising Design are one segment of the creative process. Any art work type paste up and format are considered by the Commercial Artist. The colors, materials, and way of doing a particular piece are taught in this course. The fine points of techniques and methods of advertising are discussed and demonstrated. The Commercial Artist and Graphic Arts person work closely together in choosing the best type, placement of copy, illustrations, and colors used for a production job.

The field of Commercial Art requires a sincere interest and perhaps many years of practice and experience in visualizing a concept from an idea to a printed page. The artistic personality requires discipline and dedication to the Commercial Art field.

*** Computer Systems

Students will be introduced to a history and the methods of data processing. A safety orientation will be given including the lab layout, usage of tools, equipment, and work space. Many codes used in data processing will be explored.

Students will learn how to use the Apple Microcomputer and the BASIC Programming language for seven days. They also will learn elementary Data Entry techniques used in the field.

*** Cosmetology

Length of course: Approximately thirty (30) days--First Semester. Students must have a state required permit prior to entering this lab. The cost is $5.00. This course is not offered in M.O.E. for the second semester.

The student will be made aware of state laws, rules and regulations, as well as professional ethics to be used.

The student will become familiar with the cosmetology kit and lab equipment.

Personal habits of basic good grooming along with sanitation and sterilization procedures will be studied.

Some other areas are as follows:

- --facial treatment which includes basic skin and facial bone structure, disorders and diseases of the scalp, massages, make-up and corrective techniques.
- --shampooing and rinsing
- --scalp and hair treatment
- --hair styling (finger wave, pin curl, roller curl, set, and wig)
- --manicuring

*** Drafting Technologies

The Drafting curriculum offers equal exploratory training in Architectural Drafting Technology and Drafting Design Technology.

The student will become acquainted with the history of drafting as well as the language and terms used. The various fields and types of drafting (architectural, civil, electrical, mechanical, structural) will be differentiated.

The student will use common drafting equipment and tools (compass, dividers, triangles, scales, drawing pencils, straight edges, templates, cleaning equipment, vellum, mylar tracing film, drawing paper, tracing paper).

Some other areas of study are--drafting procedures; drafting conventions (alphabet of lines, lettering); geometric construction; and orthographic projections (planes of projection, multi-view projection, orientation of the object, spacing of views, line techniques).

The student will utilize learned skills in basic mechanical and architectural problems.

*** Electrical Trades

The Electrical Trades curriculum offers equal exploratory training in Electrical Construction and Maintenance as well as introduction to appliance repair.

Students will be exposed to basic hand tools, hardware identification and usage, including boxes, switches, receptacles, light outlets, and types of wire. Basic electrical theory (voltage, current, resistance, and Ohm's Law) as well as types of electrical circuits will be discussed.

Students will culminate their experience in this course by exposure to motor control, by installing rigid and thin wall conduit, and adding outlets to existing walls.

Students will be introduced to residential, commercial, and industrial wiring and maintenance.

At all times, safety procedures will be stressed.

*** Electronic Technologies

This curriculum offers equal exploratory training in Electronics Communication and Electronics Technology.

Basic skills acquired are as follows:

--measure current, voltage, resistance, and power in DC circuits.
--calculate energy, power, voltage, current, and resistance in DC circuits.
--construct electric circuits which fulfill the specifications given in schematic diagram.
--use common electronic test equipment to verify proper electronic circuit operation.
--Digital Principles-use of number system and codes (Binary, Hexadecimal, Decimal).

*** Environmental Systems

This curriculum offers exploratory training in Heating, Air Conditioning, Refrigeration and Plumbing. Students will be oriented to the lab and work safety. Also, the student will receive instruction in tool identification and usage.

Areas to be studied are as follows: diagnosing circuitry, condensing units, proper threading and soldering of pipes, copper tubing, and domestic oil burners.

*** Equipment Mechanics

This course will acquaint the student with the various kinds of units powered by the internal combustion engine. Units included are lawn mowers, lawn tractors, garden tractors, boats, chain saws, weed eaters, snow blowers, farm implements, portable generators and others. The curriculum includes:

--2 stroke and 4 stroke cycle engine theory
--Troubleshooting
--Preventative maintenance
--Ignition Systems
--Fuel Systems
--Lubrication

*** Fashion Industries

Length of course: Three (3) years, starting in grade 10. This lab is available in the MOE program for forty-five (45) days or as a Specialty program for three (3) years.

This course is for those who wish a career in the vast apparel industry which offers many opportunities for specialization. Students will be exposed to areas from designer to machine operator.

The practical work includes sketching, pattern making, cutting, and learning to operate the industrial sewing machine. Such areas as seaming, zipper setting, button setting, button holing, and blind stitching will be covered.

Students will also gain experience in mechanical machine repair if they wish.

*** Food Production and Services

Students will be instructed in lab safety as well as proper sanitation measures. Students will learn about food spoilage and preservation along with food-borne diseases and illnesses.

Proper usage and care of equipment, including dishwashing and housekeeping procedures, will be learned in addition to basic food preparation techniques.

Students will be familiarized with the various types of ways of serving the public (American, cafeteria, banquet) in addition to learning the human relations factors in serving the public.

Preparation of the following foods will be studied and experienced: eggs, meats, poultry, fruits, vegetables, soups, salads, breads, sandwiches, cookies, desserts, and pastries.

Students will experience using these items: range, ovens, mixer, deep fat fryer, broiler, grill, slicer, food cutter, and coffeemaker.

*** Gas/Diesel Mechanics

The Gas/Diesel Mechanics curriculum offers equal exploratory training in Auto and Truck Mechanics and Diesel/Gas Engines.

The student will be strongly advised concerning lab and industry safety where conditions at times may demand extreme caution.

One area of study will be common tool identification, usage, and care. Another area will be servicing vehicles, i.e., cleaning, lubricating, as well as some work on basic engines. The student will also learn the necessary trade terminology.

Units of study are as follows:

--basic engine parts (block, head, electrical system, fuel system, cooling system, lubricating system).
--power train (clutch, transmissions, drive line, rear axle).
--brakes (mechanical, hydraulic, drum, disc).
--steering and suspensions

*** Graphic Arts

As one of the ten leading industries in the United States, Graphic Arts ranks high in number of employees, value of product, number of establishments, and use of its products.

This particular course in Graphic Arts concerns itself with Offset/Lithographic printing and all of the steps involved in producing printed material. Students will receive instruction in basic Layout and Design, Typesetting (Photographic and Strike on), Paste-up, Reproduction Photography, Stripping, Platemaking, Presswork, and Finishing operations.

These pages followed each of the above steps and here is the result. Publishing is only a part of the printing industry. Just about anywhere you look today you will find printing products. Printing is a combination of skill, technical knowledge, and creativity. It is one of our most powerful means of communication.

*** Introduction to Health Occupations

The student will receive a safety orientation in addition to a general orientation of the human anatomy. The student will also receive an orientation to the ward clerk of hospital secretarial duties, which includes recordkeeping, patients charts, and all clerical responsibilities related to the hospital.

Professional ethics, basic professional medical terms, and basic nursing procedures (temperature, pulse, respiration) will be studied.

Medical office procedures and practices (patient records, insurance forms, filing medical letters) and basic laboratory procedures are also included.

In addition to learning basic health testing techniques and assisting with physical exams, the student will become aware of some of the dental facets of health, including anatomy of teeth, dental office procedures, and dental vocabulary.

*** Machine Trades

The machine trade student will receive a safety orientation, including personal protective devices and machine guarding.

Areas to be covered are bench work which includes basic hand tools (vise, hammers, wrenches, pliers, punches); cutting tools (hand hack saw, files, chisels); measuring devices (rule, square, caliper, micrometer); and layout.

Related math (whole numbers, fractions, decimals, charts) and blueprint reading will also be reviewed.

The student will learn to set up and operate the power saw, drill press, pedestal grinder, engine lathe, and milling machine.

*** Marketing and Distributive Education

Length of course: This lab is available in the MOE program for forty-five (45) days or as a Specialty program for three (3) years.

This program provides training for students interested in a career field of marketing and distribution. It is designed for students who want to go beyond having an everyday job. Instructional subject areas covered are the following: Advertising, Communications, Display, Human Relations, Mathematics, Merchandising, Management and Operations, Product/Service Technology, Selling, Economics in Marketing and Entrepreneurship Training.

The laboratory of the second or third year MDE student is an actual marketing or distribution establishment. During that year, students will participate in a cooperative work program in which they will receive on-the-job training and classroom instruction.

The increase in construction of modern shops, malls, and suburban shopping areas clearly indicates the trend of modern business growth. Well-trained personnel will be increasingly in demand to keep up with this trend.

Grade 12 will include a mandatory minimum of 15 hours per week of on-the-job cooperative work experience in one of the following areas: Department Stores, Variety Stores, Specialty Stores, Hotel/Motel, Restaurant Management, Service Station, Advertising Services, Real Estate, Banks, Wholesale Store, General Merchandise Store, Food Store, Marketing and Industrial Plant, Warehousing, and Apparel/Accessories Store.

It is also suggested that all MDE students become members of the Local, State, National Student Organization called DECA (Distributive Education Clubs of America). Membership is not mandatory.

*** Material Handling Systems

The Material Handling Curriculum offers equal exploratory training in Warehousing and Materials Handling.

The student will be oriented in the safe operation of both motorized and non-motorized equipment.

In addition, students will learn the proper methods of shipping and inventory control.

Other areas to be studied and worked with are as follows:

--Packaging
--Banding
--Scales and Charting
--Palletization

*** Masonry

The Masonary student will be exposed to a basic education in masonry fundamentals, job safety, and trade terms. An orientation into various masonry tools used by brick masons, block masons, stone masons, plasterers, concrete finishers, and tile setters is included. The usage of everyday tools and equipment will be implemented (trowel, level, jointing tools, and the mason's line).

In addition to the reading of sketches, (basically course plans and elevations) students will practice plumbing, leveling, and straight-edging, by constructing small projects designed to develop their mechanical skills and to practice the skills of the mason. Some concrete masonry will be included. Students will also become familiar with masonry materials such as cement, lime, mortar, concrete block.

Students will utilize these learned skills by constructing basic brick and block projects.

*** Sheet Metal/Welding

Curriculum offers equal exploratory training in Sheet Metal and Welding and Fabrication.

The student will gain experience in sheet metal fabrication and assembly through the development of projects. Experience in using hand tools, operation of equipment (foot shears, forming machines such as brakes, rolls, beading, burning, crimping, wiring); as well as experiences in riveting, soldering, seaming, welding, and finishing of sheet metal parts are incorporated into the course.

Some blueprint reading and pattern development will be introduced through these projects.

Safety is always stressed in this lab as well as every lab.

*** Alternative Education Program Length of Course: Three (3) years, starting in grade 10.

The Alternative Education Program is an "alternative" way for students to receive a high school diploma. AEP is a three year comprehensive program offering both vocational and academic programs to the students. Students can experience a broad array of training programs at LCVTS, at a non-profit community organization, or in various construction trade areas. In addition to the vocational program, students attend academic classes in all subject areas required for high school graduation such as English, math, science, health, social studies, industrial arts, and physical education. Both vocational and academic programs operate on a three-week rotating schedule - two weeks of vocational training and one week of related classroom instruction.

Students enrolled in the construction trades component develop occupational skills in five areas, as follows: Carpentry, Electricity, Masonry, Building Maintenance, and Painting. While under the supervision of an LCVTS instructor, each student participates in a community, non-profit organization project, as part of a small student work crew, in a "hands-on" training experience.

Students enrolled in the diversified training component acquire skills while training in a non-paid job, or at LCVTS in a vocational program. The ten occupational areas offered are as follows: Animal Caretaking, Automotive Service/Mechanics, Building Maintenance/Groundskeeping, Child Care/Education Assisting, Clerical, Food Service, Institutional Housekeeping, Nursing Aid, Printing/Graphic Arts, Retail Sales/Merchandise Handling. Sponsoring training stations agree to provide supervision and training, while students agree to meet certain individual and training responsibilities.

Most of the candidates for the Alternative Education Program are invited into the course by their home school counselors.

MOE PROGRAMS (45 Days Each)	MOE RECOMMENDED RELATED PROGRAMS	SPECIALTY PROGRAMS (11-12)
1. Carpentry/Cabinetmaking	Masonry/Environmental Systems/ Electrical Trades/Drafting Technologies	Carpentry, Cabinetmaking
2. Electrical Trades	Electronic Techniques/Environmental Systems/Carpentry/Masonry/Drafting Technologies	Electrical Construction, Appliance Repair
3. Masonry	Carpentry/Environmental Systems/ Electrical Trades/Welding/Drafting Technologies	Masonry
4. Agriculture/Horticulture	Gas-Diesel Mechanics/Sheet Metal-Welding/Food Production and Services	Agriculture, Floriculture
5. Food Production and Services	Introduction to Health Occupations/ Agriculture - Horticulture/Marketing and Distributive Education	Food Preparation and Services
6. Material Handling Systems	Computer Systems/Marketing and Distributive Education	Material Handling-Distribution
7. Computer Systems	Graphic Arts/Drafting Technologies/ Sheet Metal-Welding/Material Handling Systems/ Machine Trades/ Electronic Technologies	Computer Systems
8. Commercial Art	Graphic Arts/Drafting Technologies	Commercial Art
9. Drafting Technologies	Graphic Arts/Commercial Art/Computer Systems/Electrocic Technologies	Architectural Drafting and Drafting Design Technology
10. Graphic Arts	Drafting Technologies/Commercial Art/Computer Systems	Graphic Arts
11. Environmental Systems	Carpentry,Cabinetmaking/Masonry/ Electrical Trades/ Electronic Technologies/Drafting Technologies	Heating, Ventilation, Refrigeration and Air Conditioning/ Plumbing
12. Electronic Technologies	Electrical Trades/Environmental Systems/Computer Systems	Electronics Technology Electronics Communications
13. Machine Trades	Sheet Metal-Welding/Computer Systems/Drafting Technologies	Machine Trades
14. Sheet Metal/Welding	Machine Trades/Auto Body Repair and Painting/Drafting Technologies	Sheet Metal, Welding
15. Auto Body Repair and Painting	Sheet Metal-Welding/Machine Trades/ Gas-Diesel Mechanics	Auto Body Repair and Painting
16. Gas/Diesel Mechanics	Electrical Trades/Sheet Metal-Welding/Equipment Mechanics/Auto Body Repair and Painting	Transportation
17. Introduction to Health Occupations	Food Production and Services/ Cosmetology	Health Occupations (B) Allied Health Occupations (A)
18. Cosmetology	Introduction to Health Occupations/ Food Production and Services	Cosmetology
19. Equipment Mechanics	Gas and Diesel Mechanics/Sheet Metal-Welding	Equipment Mechanics
20. *Fashion Industries	Marketing and Distributive Education	
21. *Marketing and Distributive Education	Fashion Industries/Food Production and Services	
	*Student may take either a 45-day program or a complete 3-year program in these areas.	

SPECIALITY PROGRAMS

Technical Programs — 3 Credits

The primary purpose of these programs is to prepare a student for entry into technical jobs in our technically oriented industries. A student may be able to continue education at a post high school technical institute or college level if so desired.

Students enrolling in these programs must have average or above average ability in mathematics and science to profit from this instruction.

Technical programs are two-year courses beginning in Grade 11, with a two-year sequence of college preparatory mathematics taught at the vocational-technical center. The required subjects will be Algebra II and Geometry.

Recommended Prerequisites: Algebra I

*** Architectural Drafting Technology — Grades 11, 12

This course provides the student with a background in all areas of the building trades, through the preparation of architectural drawings. The student is engaged in drawing floor plans, elevations, perspective drawings, estimating, topographical surveys, Leroy lettering, plumbing plans, heating plans, electrical plans, specification writing, cost analysis, and model making.

*** Drafting Design Technology — Grades 11, 12

This course instructs the student in mechanical drafting, the graphic language used in the industrial world by engineers, designers, and draftsmen. This program teaches students to express and record the ideas and information necessary for the design and manufacture of all types of machinery and equipment. Emphasis is placed on the design of gears, cams, machines, tools, jigs, and fixtures. Related mathematics computations are included.

*** Electronics Technology — Grades 11, 12

This course instructs the student in the basic electrical laws and concepts, simple and complex electrical circuits, communications, telemetering, and microwaves. The program is designed to develop an understanding of the principles involved in industrial automation and advanced forms of communication. Technicians may work with communication equipment, computers, navigational aids, industrial controls, medical equipment, guided missiles, and with a variety of other equipment to which electronics has been applied.

Vocational Programs

*** Agriculture — Grades 11, 12

This course provides instruction which will help students develop their knowledge and skill in the soil, plant, and animal sciences as they relate to agricultural production, manufacturing, processing, distribution, and marketing. Instruction will be given in servicing, adjustment, and repair of agriculture power equipment and machinery.

*** Alternative Education Program — Grades 10, 11, 12

The Alternative Education Program is an "alternative" way for students to receive a high school diploma. AEP is a three year comprehensive program offering both vocational and academic programs to the students. Students can experience a broad array of training programs at LCVTS, at a non-profit community organization, or in various construction trade areas. In addition to the vocational program, students attend academic classes in all subject areas required for high school graduation such as English, math, science, health, social studies, industrial arts, and physical education. Both vocational and academic programs operate on a three-week rotating schedule--two weeks of vocational training and one week of related classroom instruction.

Students enrolled in the construction trades component develop occupational skills in five areas, as follows: Carpentry, Electricity, Masonry, Building Maintenance, and Painting. While under the supervision of an LCVTS instructor, each student participates in a community, non-profit organization project, as part of a small student work crew, in a "hands-on" training experience.

Students enrolled in the diversified training component acquire skills while training in a non-paid job, or at LCVTS in a vocational program. The ten occupational areas offered are as follows: Animal Caretaking, Automotive Service/Mechanics, Building Maintenance/Groundskeeping, Child Care/Education Assisting, Clerical, Food Service, Institutional Housekeeping, Nursing Aid, Printing/Graphic Arts, Retail Sales/Merchandise Handling. Sponsoring training stations agree to provide supervision and training, while students agree to meet certain individual and training responsibilities.

Most of the candidates for the Alternative Education Program are invited into the course by their home school counselors.

*** Appliance Repair — Grades 11, 12

This course covers basic electrical theory; the study and interpretation of electrical schematic diagrams, fractional horsepower motors, electro-mechanical devices, and refrigeration. Practical shop work includes diagnosing, repairing, and servicing of all major appliances.

*** Auto Body Repair and Painting — Grades 11, 12

This course includes instruction in the development of hand skills and the required knowledge to rebuild and refinish automobile bodies. Specific instruction will be given in the repair and replacement of trim, upholstery, and hardware; frame alignment; and the use of gas and electric welding equipment.

*** Cabinetmaking — Grades 11, 12

This course instructs the student in laying out his/her own work, to operate modern wood-working machinery, to cut and shape wood, and to construct and finish furniture properly. Fine furniture is designed and manufactured in this shop.

*** Carpentry — Grades 11, 12

This course will train the student in all phases of the carpentry trade, including layout, framing, securing members to the shell, exterior trim, and finally the interior trim, cabinets, doors, and other built-ins. Blueprint reading, applied mathematics, and estimating will be covered and used in daily shop practices.

*** Commercial Art — Grades 11, 12

This course includes illustrating and designing copy for advertising; books, magazines, newspapers; and creating designs for billboards and posters. Emphasis is on the basic principles of design and color, development of drawing skills, exploring media, and commercial art practices. Technical illustration, layout and paste-up, package designs, displays, signs, and an infinite number of artistic contributions to the world of industry are all forms of Commercial Art.

*** Computer Systems — Grades 11, 12

This course provides instruction in the use of the electronic data processing machines and the handling of information which is fed into the machines. Instruction and practical problem solving will give the student experience in the accounting machines, the calculator, keypunch, interpreter, sorter, and verifier.

*** Cooperative Work Experience — Grade 12

These programs have been established with a large number of area employers who agreed to hire vocational-technical students and provide them with learning experiences. Students participating in a co-op program spend one-half day on the job. Employers are required to evaluate co-op students in the same manner as a teacher would evaluate the student. Credit toward graduation is granted for this supervised work-experience. Many of the co-op students continue to work for the same employer after graduation, indicating that both the students and the employers benefit from this program.

Students are placed on a cooperative work experience program only when the following conditions are met:

a. When the job is related to the occupational field the student is studying.
b. Jobs which offer adequate training opportunity to the student in light of abilities and occupational objective.
c. When the work experience will benefit the student.
d. When the student is recommended by the instructor and has acceptable conduct and classroom grades.
e. Maximum - 1 semester

*** Cosmetology — Grades 11, 12

This course prepares students for licensure to practice Beauty Culture in the Commonwealth of Pennsylvania. Instruction is given in waving, shampooing, styling, dyeing, facials, manicuring, and all practical skills needed in the care of the hair, skin, and hands. The related physiology, anatomy, sanitation, safety, and shop management techniques are an integral part of the program.

*** Diversified Occupations (DO) — Grades 11, 12

This course is an organized learning program in which the students spend one-half day in school and one-half day under the direction of an employer following a prearranged plan for learning an occupation. Student effort will be observed and graded by a cooperative education instructor. DO is offered to students who are unable to qualify for admission to the Vocational-Technical School or desire a program not offered by the Vocational-Technical School, and to those students who must work or leave school. A student must be sixteen years of age and have his/her own means of transportation to his/her place of employment.

*** Electrical Construction — Grades 11, 12

This course will give the student a background of basic laws and theories of electricity. Learning experiences will be concerned with the layout, assembly, installation, testing, and maintenance of electrical fixtures, apparatus, and wiring used in electrical systems. Instruction is provided in the reading, interpreting and understanding of residential, commercial, and industrial wiring based on controlling electrical codes.

*** Electronics Communications — Grades 11, 12

This course is designed to develop the knowledge and skills necessary to the radio and T.V. technician. It is based on methods of servicing, using a non-mathematical approach. The theory of radio and T.V. systems is augmented by practical servicing of receivers in the laboratory.

*** Equipment Mechanics — Grades 11, 12

This course will provide thorough knowledge of engine theory, carburization, ignition, troubleshooting, the clutch, and transmission. The scope of the subject will cover all facets of outdoor recreational and lawn and garden equipment repairing, assembling, and merchandising.

*** Fashion Industries — Grades 10, 11, 12

This course prepares the student for the apparel industry. The student learns about fabrics used in making clothing, how these fabrics are prepared, how to pattern and sew together to make a finished product. Practical instruction is given in power sewing machine operation, pattern making and cutting, spreading, pressing, finishing of garments, and the examination and packing of finished garments.

*** Floriculture — Grades 11, 12

This course is designed to teach the cultivation of ornamental plants, shrubs, and trees of all descriptions. The greenhouses offer an ideal laboratory for seasonal cultivation, and the student is trained in the fabrication of decorative floral pieces, wreaths, bouquets, and corsages, using flowers in season. This training will provide the knowledge necessary for employment in tree nurseries, greenhouses, and floral shops.

*** Food Preparation and Services — Grades 11, 12

This course will include training in both food preparation and service, as well as other phases of food establishment operation. Food preparation is a skill that ranges from the "short order cook" to a highly specialized chef in a gourmet restaurant. The food so prepared will be served in a specifically designed "classroom" restaurant.

*** Graphic Arts — Grades 11, 12

This course is designed to prepare the student to enter the varied fields of printing and allied occupations. Instruction will be given in design and layout, type setting, off-set lithography, letterpress, and silkscreen printing. The student will operate offset cameras and learn the processes of platemaking. He/she will become familiar with papers and inks, and related chemistry, mathematics, and job estimation.

*** Heating, Ventilation, Refrigeration and Air Conditioning — Grades 11, 12

This course includes both theory and practice in all phases of refrigeration and air conditioning. The laboratory is equipped with a walk-in freezer, cooler, and cooling tower for "live" service training. Instruction will be given in the principles of refrigeration, forced air, electrical circuitry, and controls. Blueprint reading, system design, and schematic interpretation are a vital part of the program.

*** Machine Trades — Grades 11, 12

This course is designed to develop knowledge and skills on a wide variety of machine tools, such as engine lathes, milling machines, drill presses, shapers, grinders, band saws, and numerically controlled machines. The application of mathematics and blueprint reading is emphasized throughout the program. Related theory includes the characteristics of metal, action of metal cutting tools, cutting speeds and feeds, gear trains, and heat treatment of steels.

*** Marketing and Distributive Education — Grades 10, 11, 12

This course directly engages the student in merchandising activities in retailing, wholesaling, and servicing. Instruction will include economics, store organization, management, and good will through a study of salesmanship, retail mathematics, display design and advertising, employer and employee relations, business management, and retailing laws. Practical experience will be gained under a cooperative arrangement with the merchants in the community.

*** Masonry — Grades 11, 12

This course covers all the basic operations of bricklaying such as mixing and spreading mortar; cutting and laying bricks, concrete block, cinder block, glass block; and constructing walls, piers, fireplaces, and steps. Plastering and tile setting will also be taught.

*** Material Handling/Distribution — Grades 11, 12

This course includes the use of power equipment, such as fork lifts, and placement of packaged merchandise in warehouse or storage areas. Instruction will be given in the proper use of storage space, proper storage conditions, inventory control, prevention of damage, inspection of materials, and in receiving and shipping practices.

*** Plumbing Grades 11, 12

This course includes both theory and practice in all phases of plumbing, installing, assembling, and maintaining and repairing of piping, plumbing fixtures, and steam, hot water, and drainage systems. The shop work will include complete practical installations in a full-size project house. Instruction will be provided in blueprint reading and sketching, and interpretation of plumbing codes.

*** Sheet Metal Grades 11, 12

This course provides instruction in the layout, cutting, forming, assembling, installing, and repairing of sheet metal parts, articles, and equipment. Instruction is also provided in the operation of power shears, forming machines, brakes, rolls, crimpers, and wiring machines. Instruction is given in pattern development.

*** Transportation Grades 11, 12

Transportation, formerly Auto Mechanics, has introduced a new program designed to prepare students with job entry skills which can be used in various areas offered in the automotive, truck and heavy equipment fields.

The two year program provides a concentrated study of components common to both occupational fields in the eleventh grades, and the choice to specialize in the twelfth grade.

Juniors selecting the transportation program will move through four labs in the A.M. session. Each lab is a rating period (45) days) in length.

Lab #1	Marking Period 1	Suspension, brakes, wheels, etc.
Lab #2	Marking Period 2	Electrical/Carburetion
Lab #3	Marking Period 3	Engines (Diesel and Gas)
Lab #4	Marking Period 4	Drive Train (transmission, clutch, differential, etc.)

(Not necessarily in the above order)

Seniors will be scheduled in the P.M. session. Choices for specializing will be determined by a student's eleventh grade progress. Progress guidelines include grades, attendance, and instructor recommendation.

The areas of specialization are: General Repair, Front End Alignment, State Inspection, Automatic Transmission, Air Conditioning, Engine Mechanics (Diesel and Gas), Truck Chassis (units on heavy and light truck other than engine).

The student may rotate in the senior year with the approval of the instructor to gain experience in additional areas of specialty.

A Pennsylvania State Inspection Course is offered to all seniors who want to become certified in performing state inspection.

*** Welding Grades 11, 12

This course involves the joining of metals by using either an electric arc or gas welders. Gas cutting equipment is used to cut metal to size or shape. A welder must be able to make various kinds of welds in different metals, working from different positions. Instruction is given in related blueprint reading and fabrication design, welding symbols, and the theory of the different types of welding.